REPEATER JOURNAL

February, 1984

1.25

CVRA-SouthEastern Repeater Association, Inc.

REPRESENTING UHF-VHF INTERESTS THROUGHOUT VIRGINIA, NORTH CAROLINA, SOUTH CAROLINA, TENNESSEE, & WEST VIRGINIA

The 1984 Repeater Journal Honor Roll Of Repeaters

CVRA-SERA Board of Director Winter Meeting At Roanoke. See Results Inside . . . . .

Orlando's Hamcation '84

at the air conditioned

EXPO—CENTRE

near I-4 and Hwy. 50, downtown

free parking available

March 9-10-11, 1984

Fri. 5 - 9 p.m., Sat. 9 a.m. - 5 p.m.,
Sun. 9 a.m. - 2 p.m.

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REGISTRATION $5 advance, $7 at door
Under 14 free

F.C.C. exams will be administered for all levels of Amateur Radio Licenses.

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AL HUBER, KC4CT HAMCATION CHAIRMAN
P.O. Box 15142 • Orlando, Florida 32858

Talk-In on 146.16-.76

ON OUR COVER

The friendly sign of the Holiday Inn, Airport in Roanoke Va. beckoned a warm welcome on a very cold day as the Board of Directors held their annual meeting in January. Informal meetings were held Saturday, with an overnight rest before formal meetings began early Sunday morning after a Continental Breakfast. CVRA-SERA staffers returned to the cold chilly but sunny air outside afternoon for the treck home. – Photo ctsy Mike Williams, KC4AO.

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REPEATER JOURNAL

CVRA-SouthEastern Repeater Association, Inc.

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"IN OUR 13th YEAR!"

Editorial Comment

Vic is Gone...He Shall Be Missed

—by Wayne C. Williams, K4MOB

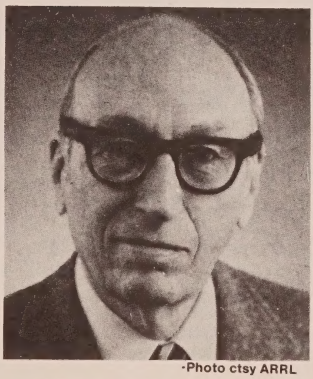

Photo ctsy ARRL

VICTOR C. CLARK, W4KFC
1917 - 1983

They said his heart just couldn't take it. Vic Clark had had some heart problems in the past but he never let something like that slow him down. Finally the day after Thanksgiving, the old ticker just gave out. Vic Clark was dead....

He worked right up to the end, as he pursued his responsibilities as President of ARRL, a voluntary position for which he received no compensation. His final week was one of running from Virginia to New York for a banquet, then on Sunday participating as an observer in a telephone conference call meeting of the CRRL Board of Directors. He then took a flight to Hartford for Monday's counting of Director and Vice-Director election ballots. He returned home Monday night to Clifton, Virginia.

The morning after Thanksgiving, Vic complained to his wife of chest pains. He was taken to the Commonwealth Doctors Hospital for observation.

That night at 10:30 p.m., it all ended....Vic was stricken with a massive heart attack while under observation in the cardiac intensive care unit.

We heard the news the next morning over the PA system at the Greensboro Hamfest. Phil Wicker, W4ACY past Roanoke Director, received the phone call that set the stage for the announcement that hushed the attendance and caused many moments of silence and disbelief.

I shall remember Vic Clark for his hearty handshake....his cheerful greeting....his thunderous voice of authority and his ever present love for his fellow ham and the hobby that brought us together.

W4KFC was a giant of a man. He will be very hard to replace. He is gone...we must continue on...but God, Vic...we're gonna miss you!

In Memory of Vic Clark

—By Gay Milius, Jr. W4UG
Director, Roanoke Division

Vic was the most unusual Amateur I have ever met. He excelled in most facets of our service/hobby from administration to good operating. Furthermore it did not take long, when you met him, to learn that he possessed an unusually wonderful personallity. Once you shook his hand you became an old friend. Vic never wanted to hurt anyone's feelings and, as far as I know, he never did. He went out of his way to avoid such a situation. Amateur Radio to Vic was a service and an avocation as well

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REPEATER JOURNAL

FEB – MAR – APR 1984

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About the Repeater Journal . . .

The CVRA-SERA REPEATER JOURNAL is published quarterly, during the months of February, May, August and November of each year and mailed free to members of CVRA-Southeastern Repeater Association, Inc., a non-profit coordinating organization made up of repeater owners and users. Permission is granted for use of material contained in the REPEATER JOURNAL, provided proper credit is given. The REPEATER JOURNAL Editor will swap newsletters with other Repeater Councils and News organizations on request. The REPEATER JOURNAL press run is 4,500 copies with circulation membership in excess of 3,900 and is entered as Third Class Mail at the Post Office in Greensboro, N.C. REPEATER JOURNAL copies may also be obtained at most area hamfests for $1.25 per copy. All news and Newsletter exchanges should be mailed to the Editor and Publisher, Wayne C. Williams, K4MOB, 600 Lakedale Road, Colfax, N.C. 27235.

About Associate Membership

Repeater users and Amateurs are invited to join CVRA-SERA as Associate Members. A membership fee of $4.00 per year will enable members to support the organization and receive the "Repeater Journal". Note: Associate Membership deadlines are on the 15th of the month preceding months of publication – Jan. 15, April 15, July 15 and October 15. Persons joining or renewing their membership must have their application into the Greensboro Post Office Box by these deadlines to receive the next upcoming Repeater Journal in February, May, August and November. Memberships received after any deadline will not receive the next to be published Journal, but instead will receive the forthcoming issue the next quarter. Memberships received at hamfests will receive a current "Repeater Journal" as long as supplies are available and the next regularly scheduled issue through the mail.

About Full Repeater Membership . . .

Officers and Directors are elected from members of CVRA-SERA Full Membership. Any repeater owner or club may join our organization as a Full Member by filling out an application and submitting it with $8.00 annual membership fee. Two representatives are named for each membership and each receive the "Repeater Journal." The Full Member repeater is appropriately recognized as a full member repeater in our repeater index in the Journal. Full Memberships all expire on December 31 each calendar year.

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BACK COVER

About CVRA-SERA . . .

CVRA-Southeastern Repeater Association, Inc. is one of the largest Repeater Organizations in the United States. In our 13th year of operation, the Association is positive proof that coordination efforts have paid off in the Districts it serves. Two of our Districts are 11th and 13th in the Nation in numbers of Amateur repeaters. We shall strive to continue to keep our area interference free with cooperation and coordination efforts of our Amateur repeater owners and CVRA-SERA as in the past 12 years.

CVRA-SERA Annual Winter Meet Held In Roanoke

—by Wayne C. Williams, Editor

The Annual Winter meeting of the CVRA-SERA was held at Roanoke, Va. on Saturday evening and Sunday, January 7-8. Officers present were: Treasurer, Secretary, President and Vice President. District Directors present: Virginia and Tennessee. Directors or representatives absent: North Carolina, South Carolina and West Virginia. Also represented: Full Membership, Associate Membership, Publications Committee and ARRL. Vice-Directors and Assistant Directors from Virginia and Tennessee were also present.

The formal meeting was called to order by Special guest, John Kannode, N4MM, Vice-Director Roanoke Division, ARRL. John then proceeded to install the new 1984-85 officers: Carter Cogle, K4ARO, President; Jim Fitzgerald, K4OJE, Vice-President; Ray Adams, N4BAQ, Treasurer; and Nita Vaughan, N4DON, Secretary.

President Cogle then took the stand and presided over the remainder of the meeting. Directors reports: Sam Kirby, WB4HAP, Director, and Tom Park, WD4KWP, Vice-Director reported that Full Membership continues to grow in the "Volunteer" State. They said they were continuing their effort to spread the word Westward across the State.

Park said that available 2-meter frequencies were getting scarce in the Memphis and Nashville areas, similar to the problem in central and Western North Carolina.

Mike Williams, KC4AO, Director of Virginia, and Lee McDaniel, WB4QOJ, Vice-Director reported their District fairly quiet over the last few months. They said considerable time, effort and coordination through 3 other States and various government agencies has been necessary to find a frequency for a proposed wide coverage repeater for Apple Orchard Mt., just off the Parkway in SW Virginia. Mike said they were still doing final checks on the frequency and would announce the final coordination at a later time.

The Board went on record as strongly opposing any attempt by any outside service trying to get any portion of the 220 mhz. band allocated away from Amateur Radio. They indicated that letters to congressmen would be appropriate at times when NPR's are on the FCC agenda. There presently is an attempt by several services to obtain portions of the 220 mhz band, but lack of information at present made further action not possible at this time.

Wayne Williams, K4MOB, Journal Editor told the group that more Amateur presence on 220 mhz. will be a better defensive weapon in times of other services wanting the frequencies. He said the major excuse Amateurs have had in the past has been lack of 220 mhz. equipment. He then ran down the list of available 220 equipment on the market today, which included ICOM IC-3/AT H/T, TEMPO, S-2 and SANTEC ST-220. H/T's he said coming were Transceivers in the 20-watt range, with full features including promises from Azden in late January, ICOM in late February and KDK in April. With these 3 major manufacturers getting into the 220 market ample equipment should be available for Amateurs to get on the very popular band which is very much like 2-

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CVRA-SERA Directors Amend Coordination Policy-Guidelines

With the FCC promise giving repeater councils power to properly coordinate, the CVRA-SERA Board of Directors at their annual meeting January 8 amended the organizations Coordination Policy and Guidelines.

To reflect an attitude keeping with FCC guidelines and FCC recognition of CVRA-SERA official band plans the board said:

(1) CVRA-SERA cannot and will not knowingly coordinate a frequency to anyone on any band that may cause harmful interference to an existing repeater.

(2) Existing repeaters have a right to their frequency, uncoordinated repeaters causing interference, do not.

(3) When there are no available frequencies in any given area on 2-meters, CVRA-SERA will not allot a frequency to anyone on that band wishing to place any type 2-meter repeater on the air. Instead the Director will urge the prospective repeater owner to:

(a) Consider changing his mind about a repeater. (b) Consider the alternative of 220 mHz or 440 mHz for a repeater (c) Consider merging with an existing repeater group.

(4) Frequencies assigned to individuals or groups, where no repeater is operational in a reasonably continuous fashion, or no repeater is planned on 2-meters, Coordinators, after contacting individuals involved will return the frequency back to the coordination pool for later coordination. If the individual later decides to go ahead with his machine, it will be subject to re-coordination.

(5) CVRA-SERA, being an information, educational and public service organization will continue to publish in its index repeaters which are not coordinated, repeaters which are not within the accepted CVRA-SERA or ARRL official band plans, or which are not members of the organization. This will be done solely to benefit our members to keep them informed. CVRA-SERA does not condone uncoordinated, and/or machines not on proper band plan frequencies. The organization does not necessarily recognize them and generally in an official capacity would ask them to re-coordinate, and/or move to a band plan frequency recognized by CVRA-SERA, ARRL and the FCC. In cases of problems between these machines and coordinated machines, CVRA-SERA would recognize the coordinated repeater, depending of course on the circumstances and location. (Some repeaters on accepted band plans, may or not be coordinated, since many were on the air before CVRA-SERA was adopted in their particular District)

(6) CVRA-SERA will continue to strive for interference free repeaters in our territory and suggest non-conforming machines consider re-coordination and/or moving to accepted band plans if necessary. This of course would be a benefit for the offending machine, since the FCC now recognizes the coordination policy of various Repeater Councils.

(7) Information packets for prospective repeater groups are being made up, outlining coordination policies and guidelines and will be available soon to any who contacts their state Director. In addition, forms will be available to contact other repeater councils or other Directors of proposed coordination.

(8) Persons unable to get a coordinated frequency in their area on 2-meters from their Director will have a right to appeal the decision through the CVRA-SERA Board of Directors.

(9) When all avenues are exhausted between repeater owners in cases of interference, upon request, CVRA-SERA will attempt to schedule a meeting with parties involved and if necessary, provide information to the opposing parties, such as alternate frequencies available in the area, which repeater is coordinated or who was first, and provide procedures for filing complaints to the FCC in cases where nothing can be worked out. (Editor)

The CVRA-SERA Coordination Policy and Guidelines will be published in its entirety in the May Repeater Journal.

OUT

OF THIS WORLD

Hamfest

March 17, -18, 1984
Charlotte Civic Center, Charlotte, N.C.

ARRL N.C. State Convention

★ Over 150 commercial boothes set up by all the major manufacturers and dealers of Amateur Radio and Computer Equipment.
★ Many special programs, forums and discussions on all aspects of Amateur Radio and Personal Computers. Plus, many family activities.
★ DX QSL's verified by ARRL. ★ Convenient Downtown Parking.
★ HUGE indoor Flea Market.

★ ★ ★

In Memory of President Vic Clark

Continued From Page 1

as an enjoyment and Vic did not believe in rubbing anyone the wrong way merely to get across a point.

Vic had a marvelous command of the English language. A great many of the motions before the Board of Directors at its meetings were phrased and worded by Vic. He was able to say everything just right without it becoming complicated and over-legalized.

Vic had a terrific sense of humor. It was not trite, it was not "corny" and generally was forthcoming when he sensed that the subject at hand was becoming onerous.

Vic used all these talents to accomplish something which had not been done successfully heretofore: In his short Presidential term Vic cemented together the ARRL and made it an organization for it's members. He dispelled the old ogre that the League was run by a "bunch" of oligarchs who inhabited Newington. To Vic, reference to the League became "us" as opposed to "them". Vic would appear at the smallest Amateur Radio gathering with his right hand outstretched ready to meet each and everyone with a soothing word. He spent a great deal of time at Headquarters and in his inimitable manner showed the staff where it was remiss at handling problems or where it was to be extolled because it was on the right track. In other words, Vic could smooth ruffled feathers wherever he went and on whatever he touched. This all stemmed from his wordly experience. The League was never better thought of or believed in than when Vic was at the helm.

The Board of Directors could feel Vic's genius and wasted no time in taking advantage of it. So it is sincerely hoped that the League's new facade will remain and Vic's dream: a large proportion of active Amateurs would be members and proud of the ARRL would materialize.

MEMORIAL CONTRIBUTIONS

The family of Victor C. Clark, W4KFC, has requested that memorial contributions be made to the ARRL Foundation, 225 Main Street, Newington, Ct. 06111. The purpose of the memorial fund will be designated later, in accordance with the wishes of the family.

A Tribute to Vic Clark

—by Mary Weddle, WC4T
Charlotte NC ARS

On Saturday, November 26, we were newly arrived at the Greensboro Hamfest. While we busily prowled the flea market tables, all the while keeping an eye out for seldom seen friends, the loudspeaker jarred the building with the usually-ignored announcements. Then, a different voice began, precluded by an iminous "Ladies & Gentlemen". . . "It is with deep regret that we announce the sudden death of Vic Clark, W4KFC, President of ARRL." For a moment, the armory was absolutely quiet; everyone was motionless, as if caught within a time warp. First, the sub-audible whispers, then graduating back to the comfortable din and clatter of normal decibels. "Heart attack." Those oozing Black words that had brought a to-Hell-and-Back upheaval into our own personal lives for a few years.

He's dead. And I never knew him. And I felt cheated. The head with the Dark-Rimmed Glasses a little above the other heads on the Civic-Center floor. Too far away to meet him. The friendly smile, and kind eyes, and capable fingers on the keyer, looking at me from the page of the Repeater Journal. "I just wrote him a letter, inviting him to the Charlotte Hamfest." I murmured aloud to Phil Wicker.

When we came home that evening, The Letter was lying on the table...from Vic Clark...written the day he died. The words were so cordial, so kind, so complimentary...But I'll never get to ask the questions. I'll never experience the wisdom passed from wizard to greenhorn. That unique vacancy left will not be filled, because he is gone...and I never knew him.

N.C. Still To Charge For Amateur License Call Letter Plates

—by Charlie Everest, W4HKB

The Amateur Radio Operator in North Carolina along with the C.A.P. members were lead to believe that their automobile license plate would no longer cost the additional $10.00 as to personal plates by 1984.

Not so, at least not in 1984. HB1203 was postponed indefinitely and SB629 was re-referred to committee. However, I have been assured by reliable sources that these bills will be introduced during the 1984 session in Raleigh. Fellow Hams if these bills are to be passed it is up to you and me to do something about it. DON'T LEAVE IT UP TO SOMEONE ELSE TO SAVE YOU $10.00 A YEAR FOR YOUR AUTOMOBILE. YOU PAY ENOUGH AS IT IS ON GASOLINE TAXES.

Lets don't wish for another hurricane to prove our point. (I remember Hazel and the other storms that hit the North Carolina coast, do you?) Ask the people of Mebane who provided the means of communication when their telephone exchange was destroyed.

If we are ready, willing, and able to provide this state with communications in times of emergencys then this state should recognize us just as they do the fire, police, and others. Get in touch with your representatives, button hole him or her, and let them know that we stand 8000 strong from Murphy to Manteo; we've pat their backs now it's time they pat ours.

Va. Beach To Host 1984 Roanoke Div. Convention

Roanoke Division Director, Gay E. Milius, Jr., W4UG has announced that the Tidewater Radio Conventions, Inc., sponsors of the Virginia Beach Hamfest will host the 1984 Roanoke Division ARRL Convention on September 22 and 23rd.

The convention will be held in conjunction with the Virginia Beach Hamfest at the Pavillion in Virginia Beach.

Raleigh N.C. Hamfest

The Raleigh ARS (RARS) will host its 7th annual Hamfest on Sunday, April 15 from 7 a.m. until 5 p.m. at the lower parking deck of Crabtree Valley Mall in Raleigh. (U.S. 70 at the U.S. 1/64 beltline) Talk-in on 04-64. Hospitality Suite Saturday evening. Entire hamfest covered, so come rain or shine. Table rental available. (Pete Thatcher, N4HQZ)

Final On-The-Air Tribute To Vic

The annual Straight Key Night on New Year's eve paid a final tribute to the late Vic Clark, W4KFC. All amateurs participating were encouraged to make at least one SKN QSO. Instead of the traditional prosign SK to indicate the end of the contact, participants were asked to send a final farewell with the letters "VIC" at the end of each contact. It was fitting....Vic never missed Straight Key Night before.

A Fitting Tribute To Vic Clark

Readers desiring to read more about the life and experiences of Vic Clark, W4KFC, President of ARRL might want to read "It Seems to Us.." by Dave Sumner, K1ZZ, General Manager of ARRL. The article appeared beginning on page 9 of the January QST. (Editor)

-HONOR ROLL-

By State – NOT In Alphabetical Order – Numbers Indicate More Than One Repeater

These Repeaters Were Renewed prior to January 1

Virginia Did It!

North Carolina was toppled as the overall winner in both categories of "Early Bird" membership of repeaters for 1984. Although the Tarheel state won with most repeaters joined, Virginia took the honors as largest percentage of repeaters becoming members by January 1, 1984. Overall in membership, North Carolina was down slightly from 1983, while Virginia was up slightly. Tennessee had same number of memberships, but more repeaters overall

Continued on Page 14

VIRGINIA

Martinsville, AB4L
Richmond, WR4ACW
Galax/Lookout Mt., N4VL
Manassas, WA4FPM
Virginia Beach, WA4KXV (2)
Danville, DCC, WB4GJG (2)
Chesterfield, KA4CBB
Haysi/Pint Mt., WB4WAU
Newport News, WB4CTF
Waynesboro, WB4BLD (2)
Afton Mt., W4BLD
Petersburg, K4ARO (4)
Chesapeake, K4NDH
Duffld/Powell Mt., KA4BHH
New Market, WB4DAK
Forest, K4STE
Richmond, N4HB
Chesapeake, N4GSP
Jonesville, WA4OVC
Barren Springs, K4HZA
Dublin, KT4Z
Charlottesville, WA4TFZ (4)
Richmond, K4ARO
Warsaw, WA4UAF
Lexington, WA4WBD
Hampton, K4DHO
Bedford, WB4JBJ
Galax/Briarptch Mt/N4VL
Newport News, WA4OHX
Wise/High Knob, K4AXO
Richmond, W4SQT
Bluefield W8MOP
Chesapeake, N4SD
Fredericksburg, WB4LNT
Winchester, W4RKC
Altavista, WA4ISI
Danville, K4WQS
Richmond, W4ZA
Roanoke/Poor Mt. W4CA (2)
Blacksburg, AB9I
Marion, N4bIW
Staunton, WA4ZBP
Staunton, W4XD
Lynchburg, WA4RTS
Waynsbro/Afton Mt., W4PMT
Fries, Pt. Lookout, WA4DFH
Radford, KC4WA
Roanoke/Poor Mt., WB4QOJ
Lynchburg, WB4DBB (2)
Roanoke/Poor Mt., WB4DBB

NORTH CAROLINA

Hendersonville, WA4KNI (2)
Newport K4GRW
Charlotte KE4SC (3)
Raleigh, K4ITL (2)
Rocky Mount, N4JEH
Ashvl/Spivey Mt, W4MOE
Monroe/UCARS, K4JCK
Burlington, WB4ZIN
Whiteville, K4MSD
Lexington, K4IZM
Williamston, KA4KNU
Winston-Salem, WA4GIC
Fisher's Peak, W4HKB
Burgaw, K4LZY
Fayetteville, WB4YZF
Raleigh, K4BWC
Asheville, NC4N
Goldsboro, K4CYP
Union Cross, WA4RBW
High Point, K4AZA (3)
Concord/Kannapolis, K4CEB
Ashvl/Mt. Pisgah, WA4BVW (2)
Mt. Mitchell, WA4BVW (2)
Waxhaw, WA4ZRS
Sanford, WB4EJJ
Frnkln/Cowee Bald, N4AC
Fayetteville, N4EWG
High Point, KA4DHP
Greenville, WA4DAN
Greensboro, K4SNI
Eden/Stoneville, WA4QBG
Greensboro, WA4MSS
New Bern, WD4JMS
Asheville, WA4QCO
Madison, KA4YFE
Locust, WA4LBT
Albemarle, K4OGB
Wstfld/Sauratwn Mt, W4RXG (2
Oxford, N4EKK
Roanoke Rapids, K4PUV
Rocky Mount, WB4WAA
N. Wilkesboro, K4ITL
Lenior/Hibriten, KN4K (2)
Lumberton, WB4MDI
Asheboro, WD4AIB
Robbinsville, WD4CNS
Statesville, AI4O
Raleigh, W4DW
Statsvl/Asbry Mt., WA4JRL
Lake Toxaway, K4MSK
Brevard/Trns Cty., W4EHV
Dunn, WB4FXM
Salisbury, W4EXU (2)
Wilson, WB4THL
Locust, WA4ZIA
Franklin, W4GHZ
Grenvl/Estn NC, W4GDF
Raleigh, N4BEA (3)
Reidsville, K4YFT
Morganton, K4RP
Waynesville, N4SM
Mt. Airy, WA4ZAS
Mt. Airy, WA4CQK
Gastna/Spncr Mt., W4REW
Jacksonville, WD4FVO
Robbinsville, WD4CNS
Hillsborough, WA4WTX (2)
Durham, WA4WTX
Greenville, W4AMC
Roaring Gap, WB4PZA
Fayetteville, KB4ZW

SOUTH CAROLINA

Aiken, N4ADM
Columbia, KC4VI
Charleston, K4LWS
Beaufort, KB4GY (2)
Spartanburg, WD8OXE
Inman, WD8OXE
Lancaster, WB4BGF
Florence, WA4ISM
Simpsonville, WA4LDP
Cope, N4HSN
Sass. Mt/Easley, KJ4X
Columbia, K4AVU
Little Mt., K4AVU
Gaston, WB4NEP
Dillon/Pee Dee, NN4N
Pickens, WB4YXZ
Pickens, WB4YXY
Grnvl/Caesars Head, W4NYK
Grnvl/Paris Mt., W4NYK
Rock Hill, K4YTZ (2)
Lexington, KA4FEC
Charleston, WB4LET
Columbia, K4LNU (2)
Columbia, N4EOY (2)
Andersn/Sasf Mt., W4FVV
Little Mt., N4EOY
Rocky Spur, KS4I
N. Augusta, K4FKJ
Prosperity, WB4OCB
Fort Jackson, WB4OCB
Lancaster, W4PAX
Pickens/Caesars Hd., WB4QHF
Anderson, N4SZ
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TENNESSEE

Oak Ridge, K4EAJ (3)
Nashville, N4ATS (2)
Chattanooga, W4DSK
Chattanooga, K4VCM (2)
Chattanooga, WA4NFO
Chattanooga, KB4TZ
Chattanooga, K4CMY
Knoxville, WB4JSO
Nashville, WA4PCD (6)
Nashville, N4TK
Nashville, W4SQE
Gallatin, WA4YQC
Gallatin, Wd4BKY
Short Mountain, W4YXA
Knoxville, WB4GBI (4)
Decatur-Pone Kb., W4RJC
Knoxville, WB4HAP (2)
Paris, K4KLX
Cookeville, N4WS
McMinvl/Sht. Mt., W4KKO
Bon Air Mt., W4BSA
Knoxville, W4BBB (2)
Bristol, K4ILW
Morristown, WD4RTT
Knoxville, WA4YON (2)
Knoxville, WB4IOB (2)
Sevierville, N4CJX
Greeneville, WA4LYF
Shelbyville, W4QEB
Gallatin, WD4KWP
Hermitage, WB4RAB
Nashville, WB4ZSA
Greeneville, WB4NKM (2)
Gallatin, WB4ZSA
Nashville, WB4HTX
Kingsport, W4TRC
LaFollette/WMT, W4TZG
Chattanooga, AD4F
Johnson City, WB4EHK
Chatt/Signal Mt. WA4ZOK (3)

WEST VIRGINIA

Franklin, W3RUA
McMechen, WA8ULB
McMechen, N8CFX
Dunbar, K8VKI
Terra Alta, WB8PHU
Bridgeport, K8VNQ
Parsons, K9VNQ
Ravenswood, WD8JNU (2)
Parkersburg, WA8CRW
Parkersburg, WD8AXY
Princeton, KA8PNC
Grafton, K8VNQ
Kingston/Lick Kb, W8FG (2)
Clarksburg, WB8ZVS
Bluefield, W8MOP
Richwood, K8VKB
St. Albans, WB8GDY
St. Albans, K8BCH

GEORGIA

Griffin, WB4GWA
Atlanta, KE4IO
Atlanta, W4AGL
Toccoa/Currahee Mt., KA4DIP
Athens, K4TQU
Hartwell, KY4T
Dalton, KC4TT
Atlanta (Bell), W4PME
Dalton/Fort Mt., N4BZJ
Newnan, K4SEX (2)
Augusta, W4ALK
Augusta, K4VF
Dalton/Duggap Mt., N4BZJ
Decatur, W4VTA
Savannah, W4HBB (2)

E. KENTUCKY

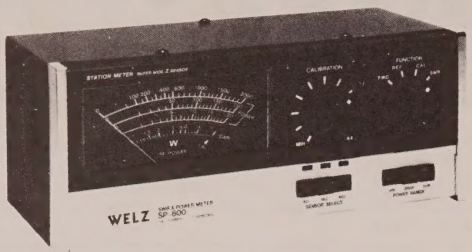
Damron Mt., K4BGQ
Prestonsburg, K4ICN
Pikeville, N4ETG
Pikeville, N4IXA

ALABAMA

Bessemer, N4AHN

WELZ

SP-600



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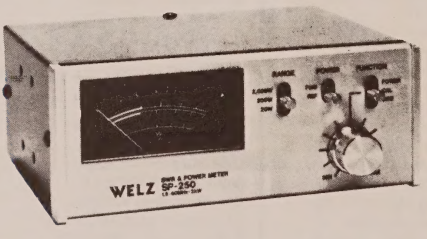

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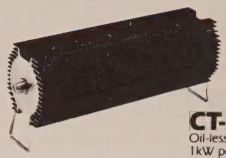

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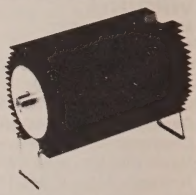

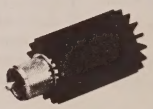

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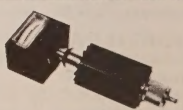

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Lenoir NC Goes 220 On Labor Day

—by Gary Hartley, K4HTV

Saturday, September 5, Labor Day, dawned sunny and bright in Caldwell County, N.C. Ten o'clock AM found five area hams atop Hibriten Mountain, 2.7 miles NE of Lenoir. Their purpose in being on the mountain was to put into operation a new 220 MHz repeater.

Following several months of planning and building, the new machine was ready for installation. Duane Ayers, N4AVU, Bud Ayers, KN4K, Gary Hartley, K4HTV, Gary Beane, WB4FJV, and Mike Cowick, N4FAX composed the installation group.

By 10:30 AM, the "tower men," WB4FJV and N4FAX, were on the top of a 100 foot tower, installing the receive antenna. K4HTV huffed and puffed up to the 80 foot level to untangle a rope, but couldn't huff any further, so he came down to the 25 foot level and installed the transmit antenna. KN4K and K4AVU did the supervising from their favorite spot, the ground.

Two thirty PM came and shortly thereafter, the I'Der echoed-forth a strong, clear signal. The 220 MHz Lenoir Repeater was on the air on 222.56-224.16, from 1950 feet elevation.

The repeater is a Hamtronics Kit, assembled by N4AVU and KN4K. The machine runs 18 watts to the antenna. The antennas are Ringo's, spaced 75 feet apart. RG 213 coax is used for both antennas.

If you're a 220 MHz operator, try-out the new machine. We're still looking for some checks from outside the county.

KN4K's harmonic Charlie was the "go-fer" boy and WB4FJV's XYL, Lori, was our food and drinks manager.

The 220 Gang from Lenoir, N.C. They say they are there to stay. Pictured are Gary, WB4FJV; Mike, N4FAX; Gary, K4HTV; Duane, N4AVU; and Bud KN4K. The new 56-16 machine is located atop Hibriten Mt. 2.7 miles NE of Lenoir. –Photo Ctsy, Gary Hartley.

There's room at the top for jsut one more antenna as Gary, WB4FJV and Mike, N4FAX members of the Lenoir 220 group install their new 220 mhz antenna for the 222.56-224.16 machine.

Filling In The Void

The new repeater at Bodie Island, N.C. came on the air in June of last year and is greatly filling in a void on the outer banks of North Carolina with 2-meter coverage. The 235-835 repeater is located on Bodie Island at the Nags Head line. Mike Goodwin, KE4PB invited you to check in when in the area.

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TALK IN: 147.69/09 and 144.77/145.37

No-Code Ham Class License Is Dead!

—by Wayne C. Williams, Editor and From FCC and W5YI Reports

Not since the controversial Docket 20282 has there been such clamor among the Amateur community as with the so-called "No Code License".

On December 14th at their morning meeting, the FCC in a stunning and decisive decision killed the entire proposal.

In the words of Ray Kowalski, Chief of the Specials Services Division to Fred Miar, W5YI, "We drove a 'stake into the heart of Dracula' and we will never again see a no-code amateur proposal in our lifetime. This issue is over, once and for all."

No-code had been plagueing us since Docket 20282 in 1974 when the Commission hinted at some type of codeless "experimenter" license. Finally after ten years of worry and bother, it's all over.

As the meeting opened, each Commissioner, Chairman Mark Fowler, Mimi Dawson, Henry Rivera, James Quello and the newly appointed Dennis Patrick had a draft copy of the 14-page "Report and order" on the No-code issue before them.

Robert S. Foosaner, the Private Radio Bureau Chief, elected to present the item to the commission opened the consideration by presenting John Borkowski (who authored the item for the PRB) and Ray Kowalski. Foosaner gave a very eloquent talk on the state of ham radio.....

"It is of major significance to the Amateur Radio Service," he said. "Basically, I view the item as a report on the health of the Amateur Raido Service. The Amateur Radio Service is well... It's thriving and is providing an excellent service to the American public. The item before you is generated by earlier Commission promises in several proceedings to examine whether an individual needs to demonstrate minimal proficiency in the International Morse Code before becoming an amateur licensee."

Foosaner stated that there were three reasons for the no-code consideration: (1) Is the Amateur Radio Service growing? (2) Is the code an unnecessary barrier to young computer oriented individuals? and (3) is the slow-speed Morse code requirement discrimatory against handicapped individuals?

Foonsaner then went on to answer the questions and provide statements in favor of morse code. He said comments numbered almost 5,000 and ran 20 to 1 against no-code. He said amateur licenses had grown from 30,000 in 1930 to 400,000 in 1983, over 1300% increase. He said amateur radio is growing with the cream of the corp of individuals interested in radio and people providing emergency assistance.

On handicapped applicants, Bob read from comments filed by the Courage HANDI-MAN System, an international non-profit service organization. The group strenously objected to the argument that people with physical handicaps are prevented from being able to successfully complete a Morse code exam. Foonsaner emphasized that code "Is not a barrier to handicapped individuals....they want to have the code requirements retained."

After Foosaner completed his statement and questions and remarks were made by some of the Commissioners, Mark Fowler, chairman said, "I think this is the right decision. We should put this to rest, once and for all and I agree with the item, the code is useful and I think in some cases it could be essential. It is useful dicipline."

When the Commission voted on the Report and Order, it was unaminous, as all five commissioners voted for retaining the present slow-speed 5-wpm internatinal Morse code entry requirements in the Amateur Radio Service.

Wide Area Two Meter Coverage For The Outer Banks Of North Carolina

—by Murray D. Adams, WA4DAN

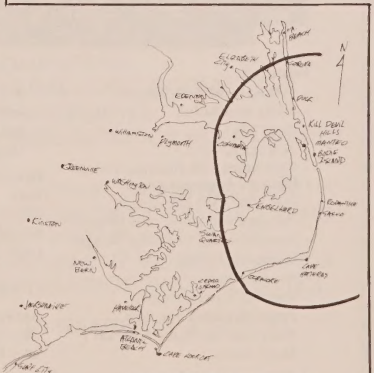
One of the few areas of the country not to have much two meter coverage now has good coverage and will soon have outstanding coverage. This is due to the efforts of Mike Goodwin, KEFPB, and Danny Hampton, K4ITL. Mike is the trustee for the repeater which is on the frequency 146.235/835. The repeater is on Bodie Island and will be listed in the journal as Nags Head/Bodie Island. The repeater came on the air June 1, 1983.

The importance of a top-notch wide coverage repeater on North Carolinas Outer Banks is incalculable. Not only will it be beneficial to the amateurs who live there year round but will be equally important to the many tourists and other travelers who come to visit the many historical aspects of the Outer Banks. The emergency communication benefits will be immense. The repeater has battery back-up in case of a commercial power failure. Now when a Nor'easter, coastal storm, or hurricane is approaching, amateurs all along the Outer Banks and inland will be able to stay in contact with the latest weather conditions.

Currently the receive antenna is a Stationmaster at 440 feet. The transmit antenna is a Phelps Dodge dipole array at 200 feet. This system is working well but improvements will be forthcoming. In the spring the dipole array will replace the Stationmaster at 440 feet and will be duplexed through a Wacom duplexer. Danny, K4ITL, is putting the finishing touches on a completely solid state GE Master repeater. He notes that the receiver sensitivity is .15 mv for 20 db quieting. ERP will be approximately 100 watts.

By using the finest commercial grade equipment and antennas the coverage should be outstanding. Another factor in coverage will be its close proximity to the water. It is only a couple hundered feet from the Sound and a couple hundred yards from the Atlantic Ocean. The dipoles on the dipole array are configured North and South for up and down the Banks with one dipole pointed west for inland coverage. Two dipoles are pointed South to give added gain toward the Cape Hatteras and Ocracoke Island areas because of the increased distance from the repeater. However, with it being a straight shot over the water, good coverage is already noted. So far this has proven to give a very clean pattern. With its close proximity to the Sound and the Ocean, it is going to offer some interesting propagation experiences. Mike will certainly appreciate signal reports to see how the repeater is do doing.

Being fascinated with the Outer Banks and a sometime visitor, it is easy to see how much this repeater has to offer. No longer will a two meter rig be of limited use on the Outer Banks as it once was. Welcome to the historic Outer Banks of North Carolina and welcome to the 146.835 repeater.



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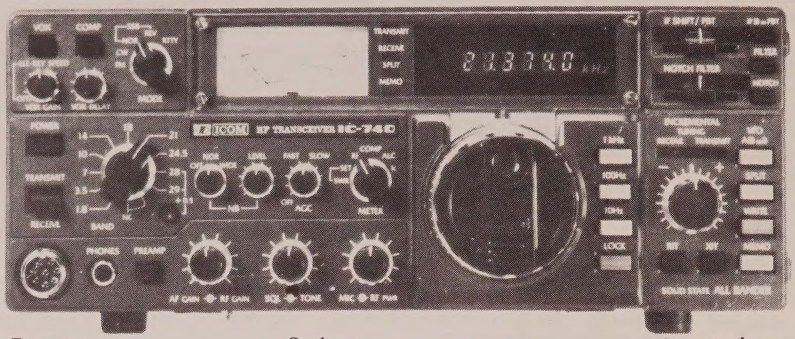

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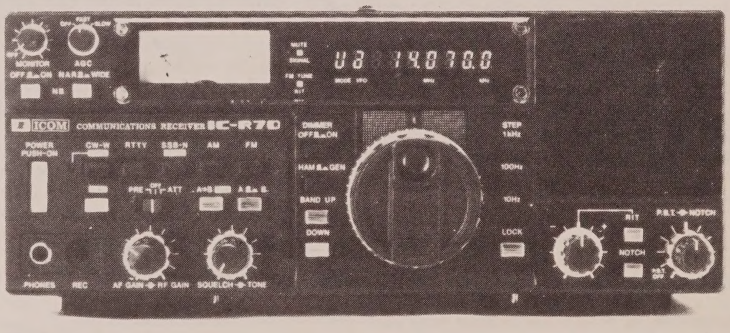

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FCC Comes Down Hard On Uncoordinated Repeaters

—by Wayne C. Williams, Editor

The FCC says it will seek license revocations against amateurs who place uncoordinated repeaters on the air in definace of local or regional coordination policies if they cause interference to the operation of previously existing' repeater systems.

This information was made public in an interview with FCC Special Services Division Chief Ray Kowalski by Westlink reporter and ARRL Hudson Division Vice Director Steve Mendelsohn, WA2DHF.

"What we are talking about is trying to bring enforcement of the last remaining difficult problem in amateur radio under control," Kowalski is quoted as saying.

"We have already given to the Field Offices themselves, the local offices, everything they need to deal with localized individual problems. They now have authority to impose monetary forfeitures for certain various kinds of conduct which are found in the Prohibited Practices section of the Amateur Radio Rules," he said.

Jerry Freeman, Engineer-in-charge of the Norfolk, Virginia office and representing the Fifth District confirmed the story to the Journal in a separate interview. He said that if you have a problem and it is local, your immediate source of redress is the local field office.

Kowalski said, "In the case of repeaters, we have taken a position in public. We don't feel that any new rules are needed on the subject, but we have expressed our policy in a letter that repeaters that are coordinated, and which have done all of the things that good repeaters have to do, have a right to exist on the frequencies to which they have been coordinated. An individual operator or another repeater has to honor that. If they don't, and if they are making a point by interfering--the point being that they have a right to that frequency--the answer from the Commission is that they do not."

The Commission's statement appears to indicate that they are very much aware of the malicious interference problem and will be giving special attention to problems between existing repeaters and uncoordinated newcomers. It also indicates quite broadly that not only the uncoordinated repeater's licensee, but its users could be held accountable under the malicious interference section of Part 97.

In CVRA-SERA territory we have very few problems of this nature at the present. If you do experience problems in the future, we recommend you first try to work with the other repeater owner. Your next step would be to file a formal complaint through your State CVRA-SERA Director, and if he cannot solve the problem, he will assist you in filing your complaint with the nearest FCC Field Office.

We think before drastic measures are taken, you should definitely try to work out the problem with the other party. Be sure to keep your CVRA SERA Director advised. He is there to assist you, that is his job.

It seems now that Coordination Councils and Associations have the teeth and power to contest interfering repeaters and CVRA-SERA will work toward that end. (Our tnx to Westlink News for providing us with the text of the Kowalski interview).

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Virginia Wins It in 1984

Continued From Page 7

represented. South Carolina made good gains in both memberships and repeaters represented. West Virginia had a slight decrease in the early renews and joiners. CVRA-SERA as of January 1, had 41% Full Membership of all repeaters covered in the organizations Territory. The Association attained a majority membership for the first time ever in 1983. Overall membership totals as of Jan. 1 was 205 membership representing 280 repeaters. (Some out of Districts)

Representation by percentage in each State is: Va. 47.6%, N.C. 46.1%, S.C. 46.6%, W. Va. 33.9% and Tenn. 31.5% for overall representation of 41%. There are 631 repeaters listed i n our 5 States (excluding T-MARC representation in Northern Virginia). We have memberships covering 257 as of January 1.

Here is a 1984 break down of (States), (Memberships – Number of repeaters represented) and (total repeaters) in that State, compared to 1983.

State	1984	1983	Total
N.C.	66-83	72-100	180
Va.	44-60	41-58	126
Tenn.	32-58	32-47	188
S.C.	28-35	22-24	75
W.Va.	16-21	20-28	62
*Ga.	14-18	8- 9	127
*E.Ky.	4-4	1-1	10
*Ala.	1-1	1-1	—

***Ga., E.Ky. and Ala. Not CVRA-SERA Districts**

From the February Journal Repeater Index, here is a breakdown of total repeaters located in the various states by band:

State	2M	220	440	6M	10M	Total
NC	133	24	14	9	0	180
VA*	104	7	25	15	1	152
TN	137	14	29	6	2	188
WV	57	2	3	0	0	62
SC	60	4	5	3	0	72
GA	115	5	7	0	0	127
KY	10	0	0	0	0	10
Totals	617	58	83	33	3	794

CVRA-SERA Full membership is available to all repeater owners. Membership fees are $8.00 per year, with all memberships expiring on December 31. Two representatives are listed on each membership, each to receive the Journal, each representing their repeater to CVRA-SERA.

Are you a good writer?

The Repeater Journal can always use good Amateur related feature stories. Send your effort to the Journal editor. We like pictures too!

Send Inquires to Proper Person

If your dishwasher was broken you wouldn't call in an auto mechanic. Likewise, check your Journal carefully and send the right person correspondence. The treasurer cannot handle coordination. The President doesn't handle Full Membership . . . etc. . . . etc. . . .

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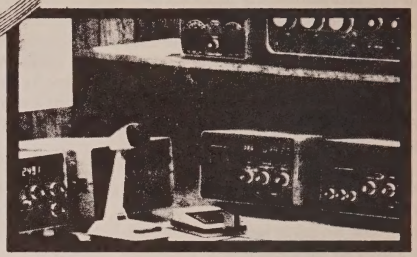

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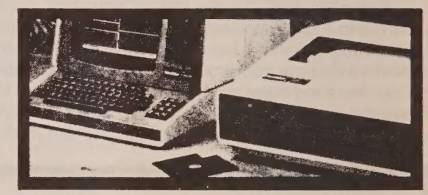

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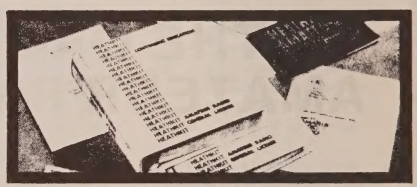

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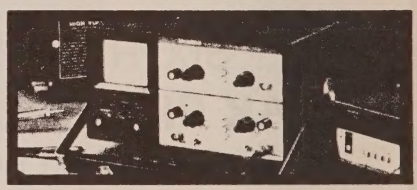

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WEST VIRGINIA NOTES

By: Ted Wolfe, WD4KHL

Chub Goodwin, N8CG, Nitro, is retired so gets to spend extra time in his basement shack. Chub was one of the first hams in the Kanawha Valley to get into computers. He got his Vic 20 over a year and a half ago and has been helpful since to others who are adding computers to their shacks. (photo by Ted Wolfe, WD4KHL)

Banker Dough Sweeney, N8AJC, South Charleston, WV, is shown at his operating station at his home. Doug is active on the nightly West Virginia Phone Net, often acting as Net Control. He is also a volunteer part-time police officer. That's O. D. Walker, WD8BRD, Belle, WV, with his back to the camera. (photo by Ted Wolfe, WD4KHL)

As this column of news is prepared I'm still at home recuperating from gall bladder surgery in early December. Now, with Christmas past I have less than a week before the January first deadline for February 1984 **Journal** copy.

I usually try for an additional article each issue. I thought I'd have to forego it this time, but at the last minute I realized I could do a separate story on the upgrading of the Scott Depot repeater. You'll find that elsewhere in this issue.

• • •

West Virginia hams were saddened with the recent news of the death of ARRL President Vic Clark, W4KFC. Vic, a resident of the neighboring state of Virginia, was known personally by a lot of Mountain State hams. Vic had attended the annual West Virginia State ARRL convention held in July each year at Jackson's Mill on several occasions.

• • •

A lot of hams in the area, and all over the country, tried to contact Dr. Owen Garriott, W5LFL, aboard the shuttle during the STS-9 mission in late November and early December. A few apparently failed to get the word on operating frequencies. A number were heard calling W5LFL on his DOWNLINK frequency. As the mission progressed there were fewer of those gaffes committed. I do hope you'll be one of the fortunate ones to receive a confirmation of contact.

• • •

There is a separate story elsewhere in the **Journal,** but I will just note briefly here that the FCC on Dec. 14 voted to retain the Morse Code requirement for all amateur licenses. The Commission, after a lot of opposition from hams and other interests regarding the no-code matter, voted down its own proposal.

• • •

In December I received a nice letter from Grace Reader of Oshawa, Ontario, Canada. I had talked with her over a year ago on 2-meters when she was passing through this area as a mobile. I told her about the **Journal** and she subscribed. I missed her when she passed through the area again this past October. Her December letter said she enjoyed the **Journal** so much that she has renewed for another two years. Don't pass up any opportunity to talk up our **Journal,** especially with transients passing through our CVRA/SERA five state region. I believe we all agree that our quarterly repeater listing for the region is more up to date than the ARRL's once a year effort.

• • •

Incidentally, I hope another of my correspondents, W. C. Spenn of the Datapoint ARC in San Antonio, Tx, is still receiving his **Journal.**

• • •

It is my understanding that the FCC examiners will return to the Charleston area one more time for testing since the volunteer examiner program is still not up and running. I don't have the date but the next testing in Charleston will probably be sometime in February or March.

• • •

Randy Coles, WA8IWZ, on Christmas Day was heard on the Lick Knob repeater

Continued On Page 30

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This is part of the crowd at the Feb. 1983 Fayetteville, WV, hamfest. It is inside the high school gym there. The Fayetteville hamfest is the first for southern West Virginia hams each year. The 1984 date is Feb. 26. (photo by Ted Wolfe, WD4KHL)

Putnam ARA Moves Forward Scott Depot Repeater Upgrades

—by Ted Wolfe, KD4KHL

The Putnam Amateur Radio Association at Scott Depot, WV, recently upgraded its K8SLI 87-27 repeater. PARA was incorporated in May, 1980, as a non-profit, non-stock West Virginia Corporation. Since then it has received tax exempt and tax deductible status.

Most Unique Wedding

It was the most unusual wedding ever known in the area. David L. Metzer, WG4T and Carol Ann Lee, KA2DQG said their vows before a congregation of over 2,000 people, who actually paid to get in.

The event took place on the speakers stand of the Richmond (Va) Frostfest January 15. It was the brainchild of retired Rev. Norman Preston, K4PRQ.

David and Carol first met on 40M CW and later in person. CW turned to FM and finally love. At the hamfest, they tied the knot.

"WG4T . . . do you take KA2DQG to be your lawfully wedded wife . . . ."

(The Repeater Journal will do a full story with pictures on this unique occasion in the May issue)

The purpose of the organization is to promote amateur radio in the public interest without pecuniary gain. The primary objective is to develop and maintain an emergency communications system which will stand ready to provide assistance to appropriate authorities in time of national or local emergencies. It also has related informational and educational objectives.

PARA is not, nor was it designed to be, a social ham club. Instead, it is a public service corporation, whose affairs are governed by a Board of Directors consisting of the President, Vice-President, Secretary, Treasurer and five "at-large" directors elected annually by the membership.

The current officers, who will serve through June, 1984, are: Gerald Sizemore, WB8SEN, President; Robert Schoolcraft, WD8BCY, Vice-President; William Herold, N8BHP, Secretary; Henry C. Edwards, K8YNI, Treasurer; and at-large directors Don Allen, KB8ZG; Donald Craig, Jr., KA8KVD; Henry Danner, Jr., K8WOG; James Edwards, K8GBN; and T. E. Miller, WB8ICT.

New officers and directors for the period June, 1984, to May, 1985, will be

This is the new Putnam County, WV, Emergency Services tower on Coal Mountain near St. Albans. The vertical antenna on the left about midway up is the antenna for the Scott Depot 147.87/27 K8SLI repeater. A spacious county owned building at the bases houses the repeater and emergency power supply equipment. (photo by Garry White, WD8OMB)

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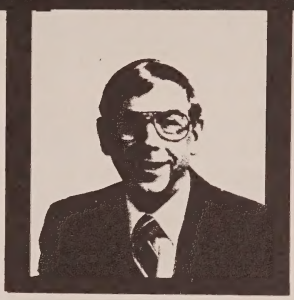

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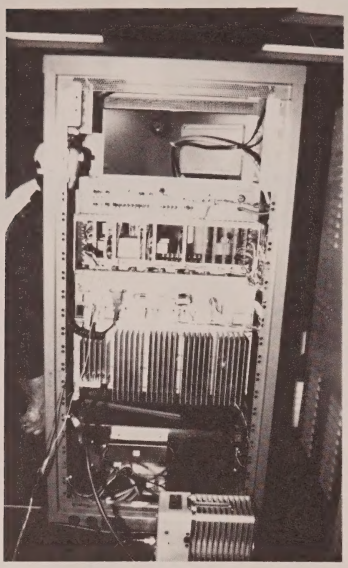
elected at the May, 1984, general meeting of the membership.



This is the new K8SLI repeater rack inside the Putnam County, WV, Emergency Services transmitter building atop Coal Mountain near St. Albans, WV. (photo by Garry White, WD8OMB)

The Association has one 2-meter repeater (K8SLI), with autopatch capability. It is an open repeater with closed autopatch. The machine is located on the Putnam County Emergency Service communications tower on Coal Mountain, about 3-miles West of St. Albans. The repeater is housed in a spacious county-owned building at the base of the tower and emergency power is available.

In the future PARA hopes to install a second, linked 2-meter repeater near Liberty, WV, and to develop a mobile emergency communication system capability.

While the K8SLI autopatch is closed to non-members, any ham may use the autopatch to report an emergency to the Putnam County Emergency Service office by pressing the touch tone star (*) for five seconds. After the call one should press the pound sign (#) for one second and log the call with your call, time, date, and a statement that you called the Emergency Center.

Another feature available to all hams is the message or announcement function. Pressing the five button on the touch tone pad will bring up the message (after allowing time for rewind to work). The message may be a community announcement, news of general interest to hams, a club meeting reminder, or--as at Christmas time--the announcement of Santa's departure from the North Pole.

The autopatch is on the St. Albans 722 exchange. The local calling area includes the communities of Alum Creek, Belle, Charleston, Cross Lanes, Dunbar, Dutch Ridge, Elkview, Hurricane, Kanawha City, Nitro, Pocatalico, St. Albans, Scott Depot, Sissonville, and South Charleston--a total of 25 exchanges.

In addition, those members with extra money on deposit with the treasurer may access additional circle calling in bands, "B," "C," and "D," covering an additional 18 exchanges serving Griffithsville, Winfield, Branchland, Brushton, Buffalo, Hamlin, Milton, Apple Grove, Barboursville, Chapmanville, Clendenin, East Bank, Leon, Madison, Seth, Union Ridge, Van and Walton. That affords autopatch coverage over a 30 mile radius which embraces all or parts of seven counties in Southern West Virginia.

The new repeater is a GE Master II machine. The new equipment and the move to the new tower has greatly expanded the repeater's coverage.

I am indebted for most of the background in this article to the rather complete informational package mailed to prospective PARA members.

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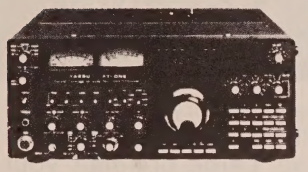

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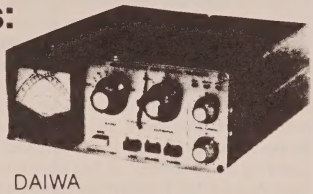

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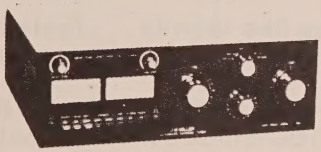

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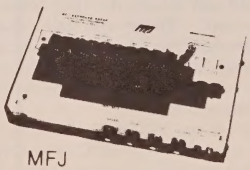

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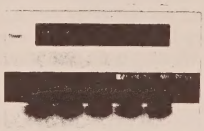

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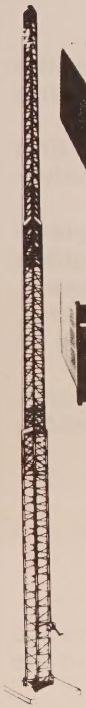

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Wayne Williams K4MOB
600 Lakedale Road
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December 31, 1983

Dear Wayne,

It was certainly good to finally meet you. I have been reading the "Repeater Journal" and have seen your work with the CVRA-Southeastern Repeater Association over the last several years.

I remember the early days of the old "North Carolina Repeater Association" with fond memories. In the late 60's and early 70's when we were getting the Association off the ground we would motor to Greensboro to the old club house near the airport for a Saturday of 'meeting of the minds'. It has been a long time Wayne, but I remember the group to be partly made up of Bill, K4RUQ, Charlie, WA4WTX, Don, W4BUZ, Danny, K4ITL, F.L.K4AZA, and many others that I'm sorry to say have slipped from my old gray computer. I must say that the new system has been much improved with the Association as it stands today.

I also remember publishing (if you could call it that) the first copies of the "Journal". There couldn't have been more than 3 or 4 pages and we may have mailed out 40 copies or so. A far cry from the publication you and the Association produce today.

When we left North Carolina in 1973, we moved to the fair City of Columbia, Missouri. Since that time I have become involved in the Missouri Repeater Council, and am presently serving as the Frequency Coordinator with excellent help from W0KUJ in St. Louis and WA0LHK in Kansas City. We boast 118 active repeaters in Missouri as you can see from the print out I am sending. With almost every available pair in use in the St. Louis and Kansas City areas we too are looking for a solution to the crowding problem.

Well, Wayne I guess that's enough of 'down memory lane' for now. It was sure good to be back home for the Holidays and I look forward to visiting again.

I am proud to have been a small part of the Association. Wayland N. McKenzie, Jr., K4CHS, Rt. #4, Box 192-M, Columbia, Mo. 65201

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	HODGES/GREENWOOD	SC
	CHATTANOOGA-RTTY	TN
	LAFOLLETTE	TN
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	CHRYVL/BKRS MT	NC
	MAYODAN	NC
	BESSEMER(ALA)	TN
	DECATUR-PONE KB	TN
	FRANKLIN	TN
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	JONESBORO	GA
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4.61 /5.21	RIVERDALE	GA
	SMYRNA	GA
	LEWISVILLE	NC
	GASTON	SC
	KNOXVILLE	TN
4.63 /5.23	ASHBURN	GA
	DALTON*	GA
	SAVANNAH	GA
	CHARLOTTE	NC
	MCMINNVILLE	TN
	MIDDLEBRO(KY/TN)	TN
	LOGAN	WV
4.65 /5.25	DALTON*	GA
	FOREST PARK	GA
	GREENSBORO	NC
	SUMMERVILLE	SC
	FISHERVILLE	TN
	GREENEVILLE	TN
	NASHVILLE	TN
4.67 /5.27	CANTON	GA
	HENDSVL/PINCK MT	NC
	RALEIGH	NC
	SEVIERVILLE	TN
	MANASSAS	VA
	PIE HORSE MT	WV
4.69 /5.29	PRESTONSBURG*	EKY
	ATLANTA	GA
	CLEVELAND	GA
	CHARLOTTE	NC
	JOHNSON CITY	TN
	CHATTANOOGA	TN
	CHESAPEAKE	VA
4.71 /5.31	ATLANTA	GA
	ROCK HILL	SC
	ATHENS	TN
	JACKSON	TN
	LAYLAND/MANN MT	WV
4.73 /5.33	JONESBORO	GA
	MT AIRY/FANCY GP	NC
	BAMBERG	SC
	CHATTANOOGA	TN
	KNOXVILLE	TN
	PARSONS	WV
4.75 /5.35	SANDY SPRINGS	GA
	CANTON/CHBRS MT	NC
	CHARLOTTE	NC
	GREENVILLE	NC
	MOOREVILLE	NC
	NASHVILLE	TN
	BLAND	VA
	FALLS CHURCH	VA
4.77 /5.37	HAMILTON-RTTY	GA
	N. WILKESBORO	NC
	KNOXVILLE	TN
	BECKLEY	WV
4.79 /5.39	GRIFFIN*	GA
	WIN-SAL/SAUTN MT	NC
	CHATTANOOGA	TN
	MT. JULIET	TN
	STANTONVILLE	TN
4.81 /5.41	ATLANTA/BELL*	GA
	WILLIAMSTON	NC
	GREENEVILLE	TN
	MEMPHIS	TN
4.83 /5.43	KENNESAW	GA
	KNOXVILLE	TN
	NASHVILLE	TN
	GALAX	VA
	RICHMOND	VA
	MORGANTOWN	WV
4.85 /5.45	JONESBORO	GA
	CROWDERS MT	NC
	NEWPORT	NC
	GOOSE CREEK	SC
	BENTON	TN
	WELCH	WV
4.87 /5.47	ROSWELL	GA
	FISHERS PK/WS	NC
	LILLINGTON	NC
	INMAN	SC
	KNXVL/HOUSE MT	TN
	MOUNTAIN CITY	TN
	NASHVILLE	TN
	KINGSTON/LICK KB	WV
4.89 /5.49	MARTINEZ	GA
	VIENNA	GA
	FRNKLN/COWEE BLD	NC
	RALEIGH	NC
	MCMINVL/SHT MT	TN
	MEMPHIS	TN
	BLUEFIELD	VA
	BLUEFIELD	WV
6.625/6.025	MARTIN	TN
7.63 /6.03	HAPEVILLE	GA
6.655/6.055	BROWNSVILLE	TN
6.46 /6.06	SOUTH BOSTON	VA
6.685/6.085	FAYETTEVILLE	GA
	WAVERLY	TN
6.775/6.175	PULASKI	TN
6.835/6.235	HAMILTON	GA
7.87 /6.27	DAMRON MTN*	EKY
6.895/6.295	HARTWELL*	GA
6.925/6.325	COVINGTON	GA
6.01 /6.61	COLUMBUS	GA
	WARNER ROBINS	GA
	GREENSBORO	NC
	NEW BERN	NC
	BEAUFORT	SC
	GRNVLE/CSRS HD	SC
	MYRTLE BEACH	SC
	CHATTANOOGA	TN
	NASHVILLE	TN
	BROMLEY MT	VA
	CHESAPEAKE	VA
	LYNCHBURG	VA
	SPENCER	WV
6.025/6.625	LAURINBURG	NC
	NEW MARKET	VA
6.04 /6.64	ATLANTA	GA
	CARROLLTON	GA
	WAYCROSS	GA
	HENDERSONVILLE	NC
	RALEIGH	NC
	WINSTON-SALEM	NC
	SUMTER	SC
	CROSSVILLE	TN
	MADISON	TN
	MEMPHIS	TN
	FINCASTLE	VA
	MARION	VA
	RICHMOND	VA
	HUNTINGTON	WV
6.055/6.655	CONCORD/KANNAP.	NC
	ALEXANDRIA	VA
	ALTAVISTA	VA
6.06 /6.66	MACON	GA
6.07 /6.67	HAZARD	EKY
	GAINESVILLE*	GA
	JESUP	GA
	BURLINGTON	NC
	FOREST CITY	NC
	COLUMBIA	SC
	BRISTOL	TN
	COOKEVILLE	TN
	LAFOLLETTE/WMT	TN
	NASHVILLE	TN
	BARREN SPRINGS	VA
	BRISTOL	VA
	LEXINGTON	VA
	WILLIAMSBURG	VA
	RAVENSWOOD	WV
6.085/6.685	ADAIRSVILLE	GA
	GRIFTON	NC
	STATESVILLE	NC
6.10 /6.70	ALBANY	GA
	JASPER	GA
	MILLEDGEVILLE	GA
	SAVANNAH	GA
	DUNN	NC
	GREENVILLE	SC
	LANCASTER	SC
	CHATTANOOGA	TN
	FRAYSER	TN
	MANCHESTER	TN
	MEMPHIS	TN
	UNION CITY	TN
	DANVILLE/WHT OAK	VA
	DUFFLD/POWLL MT	VA
	NORFOLK	VA
	STAUNTON	VA
	RAVENSWOOD	WV
6.115/6.715	RINGGOLD	GA
	SPRING LAKE	NC
	BLACKSBURG	VA
	STERLING	VA
6.12 /6.72	COAL MTN	WV
6.13 /6.73	LOUISA	EKY
	ALBANY	GA
	ATHENS	GA
	BRUNSWICK	GA
	MARIETTA	GA
	RALEIGH	NC
	SALISBURY	NC
	WILMINGTON	NC
	N. AUGUSTA	SC
	SIMPSONVILLE	SC
	KNOXVILLE	TN
	MEMPHIS	TN
	HAMPTON	VA
	ALDERSON	WV
6.145/6.745	DILLON/PEE DEE	SC
	DYERSBURG	TN
	ROANOKE/POOR MT	VA
6.16 /6.76	STONE MTN	GA
	VALDOSTA	GA
	ASHVL/MT PISGAH	NC
	GREENSBORO	NC
	WILSON	NC
	CHARLESTON	SC
	FT JACKSON	SC
	BRISTOL/HLSTN MT	TN
	NASHVILLE	TN
	CHARLOTTESVILLE	VA
	FOREST	VA
	HUNTINGTON	WV
	MORGANTOWN	WV
	WHEELING	WV
6.175/6.775	CHARLOTTE	NC
	ELIZABETHTOWN	NC
	WYTHEVILLE	VA
6.19 /6.79	PIKEVILLE*	EKY
	FOLKSTON	GA
	MOULTRIE	GA
	NEWNAN*	GA
	SWAINSBORO	GA
	ANDSN/SASFRAS MT	SC
	CHATTANOOGA	TN
	JOHNSON CITY	TN
	NASHVILLE	TN
	CHESAPEAKE	VA
	FAIRFAX	VA
	OAK HILL	WV
6.205/6.805	FAYETTEVILLE	NC
	GASTONIA	NC
6.22 /6.82	ALBANY	GA
	ATLANTA	GA
	LYONS	GA
	ROARING GAP	NC
	WILMINGTON	NC
	GRNVLE/PARIS MT	SC
	LAKE CITY	TN
	MEMPHIS	TN
	WINCHESTER	TN
	COVINGTON	VA
	WINCHESTER	VA
	CHARLESTON	WV
	CLARKSBURG	WV
6.235/6.835	ASHEVILLE	NC
	NAGS HEAD/BODIE	NC
	WADESBORO	NC
	HAZEL MT	VA
7.255/6.835	LEXINGTON	SC
6.25 /6.85	PIKEVILLE*	EKY
	DALLAS	GA
	WARNER ROBINS	GA
	GOLDSBORO	NC
	HICKORY/BRT. MT	NC
	REIDSVILLE	NC
	FLORENCE	SC
	LAURENS	SC
	GTLBG/COVE MTN	TN
	MEMPHIS	TN
	NASHVILLE	TN
	PORTSMOUTH	VA
	STAUNTON	VA
	BKLY/FLAT TOP MT	WV
	BUCKHANNON	WV
6.265/6.865	GREENSBORO	NC
	FAYETTEVILLE	TN
7.465/6.865	WAXHAW	NC
6.28 /6.88	COLUMBUS	GA
	MARIETTA	GA
	QUITMAN	GA
	SAVANNAH*	GA
	RALEIGH	NC
	SHELBY	NC
	COLUMBIA	SC
	BRISTOL	TN
	MEMPHIS	TN
	NASHVILLE	TN
	OAK RIDGE	TN
	BRISTOL	VA
	RICHMOND	VA
	SALEM	VA
	CHARLESTON	WV
6.295/6.895	MADISON	NC
	WAXHAW	NC
6.31 /6.91	MOREHEAD	EKY
	GAINESVILLE	GA
	GRIFFIN	GA
	AHOSKIE	NC
	ASHVL/SPIVEY MT	NC
	FAYETTEVILLE	NC
	LEXINGTON	NC
	WHITE HALL	SC
	SAVANNAH	TN
	SHORT MTN	TN
	FAIRFAX	VA
	FARMVILLE	VA
	JONESVILLE	VA
	MT. LK/BALD KNB	VA
	COTTAGEVILLE	WV
	FAIRMONT	WV
	MCMECHEN	WV
6.325/6.925	ROCK HILL	SC
	CHARLOTTESVILLE	VA
	DANVILLE(DCC)	VA
6.34 /6.94	ASHLAND	EKY
	AUGUSTA*	GA
	ROME	GA
	WRIGHTSVILLE	GA
	BURGAW	NC
	CHARLOTTE	NC
	DURHAM	NC
	MANTEO	NC
	MT AIRY-RTTY	NC
	COLUMBIA	SC
	GREER	SC
	N. AUGUSTA	SC
	KNOXVILLE	TN
	MEMPHIS	TN
	NASHVILLE	TN
	HAMPTON	VA
	RICHMOND	VA
	ROANOKE	VA
	NEW MARTINSVLLE	WV
	RICHWOOD	WV
	WEIRTON	WV
6.355/6.955	OLD FORT	NC
	ROCKINGHAM	NC
	JUMPING BRANCH	WV
6.37 /6.97	ATLANTA	GA
	SAVANNAH*	GA
	MT AIRY	NC
	SMITHFIELD	NC
	ANDERSON	SC
	FLORENCE	SC
	ALTAMONT	TN
	KNGSPT/BAYS MT	TN
	MEDINA	TN
	OAK RIDGE	TN
	MANASSAS	VA
	VIRGINIA BEACH	VA
	LOGAN	WV
	PARKERSBURG	WV
6.385/6.985	PRESTON	GA
	ALBEMARLE	NC
	DILLSBORO	NC
	ROANOKE/POOR MT	VA
6.40 /7.00	ATLANTA	GA
	LAGRANGE	GA
	HIGH POINT/GBO	NC
	JACKSONVILLE	NC
	MARION	SC
	PICKENS	SC
	MEMPHIS	TN
	SUFFOLK	VA
	ST ALBANS	WV
7.60 /7.00	ELKHORN CITY	EKY
	HIGH POINT/GBO	NC
	BLOUNTVILLE	TN
	CHATT/SIGNAL MT	TN
	CLARKSVILLE	TN
	HAYSI	VA
	TERRA ALTA	WV
7.615/7.015	CHARLOTTE	NC

REPEATERS BY FREQUENCY CONTINUED

	SUMTER	SC
	NASHVILLE	TN
	FREDRICKSBURG	VA
6.43 /7.03	ERWIN	NC
	ROCK HILL	SC
	FRAYSER	TN
	LEXINGTON	TN
	DEWITT	VA
7.63 /7.03	GREENSBORO	NC
	ROANOKE RAPIDS	NC
	MYRTLE BEACH, N	SC
	FAYETTEVILLE	TN
	MEMPHIS	TN
	MORRISTOWN	TN
	WAYNESBORO	VA
	MULLENS	WV
6.445/7.045	HOPE MILLS	NC
	ROBBINSVILLE	NC
	ARLINGTON	VA
7.645/7.045	METTER	GA
	STATSVL/ASBRY MT	NC
	RADFORD	VA
	STAUNTON	VA
	VIRGINIA BEACH	VA
6.06 /7.06	MADISON	WV
6.46 /7.06	COHUTTA-RTTY	GA
	CHARLOTTE	NC
	ELIZABETH CITY	NC
	MEMPHIS	TN
	PRINCETON	WV
7.66 /7.06	MACON	GA
	THOMASVILLE	GA
	MACO	NC
	SUMTER	SC
	GREENEVILLE	TN
	SHELBYVILLE	TN
	CHESTER	VA
	POINT PLEASANT	WV
6.475/7.075	BURLINGTON	NC
7.675/7.075	BURLINGTON	NC
	KNOXVILLE	TN
	WAYNSBR/AFTON MT	VA
7.69 /7.09	GREENVL/ESTN NC	SC
	ORANGEBURG	SC
	SPARTANBURG	SC
	MEMPHIS	TN
	SPARTA/BON AIR	TN
	GALAX/BRIRP MT	VA
7.70 /7.10	BLAIRSVILLE	GA
7.705/7.105	MARION/OLD FORT	NC
	MONROE/UCARS	NC
	BEDFORD	VA
6.09 /7.11	LOGAN	WV
7.72 /7.12	AUGUSTA*	GA
	CEDARTOWN	GA
	GAST/SPCR MT	NC
	ROCKY MOUNT	NC
	MYRTLE BEACH	SC
	COLUMBIA	TN
	MEMPHIS	TN
	OAK RIDGE	TN
	CULPEPPER	VA
	BRIDGEPORT	WV
	DUNBAR	WV
7.735/7.135	BREVARD/TRNS CTY	NC
	CHERAW	SC
	FRIES	VA
	RICHMOND	VA
7.75 /7.15	CUMMING	GA
	MORGANTON	NC
	RALEIGH	NC
	SIMPSONVILLE	SC
	MEMPHIS	TN
	NASHVILLE	TN
	OAK RIDGE	TN
	TAZEWELL	VA
	COAL MTN	WV
	MCMECHEN	WV
7.765/7.165	HIGH POINT	NC
	GREENWOOD	SC
	NEWPORT NEWS	VA
	WARRENTON	VA
7.78 /7.18	AUGUSTA*	GA
	BALDWIN	GA
	SANFORD	NC
	WILMINGTON	NC
	CAROWINDS	SC
	GOOSE CREEK	SC
	CLEVELAND	TN
	MEMPHIS	TN
	NASHVILLE	TN
	DUBLIN	VA
	PETERSBURG	VA
	LEON	WV
7.795/7.195	ATLANTA	GA
	LAKE TOXAWAY	NC
	LYNCHBURG	VA
7.81 /7.21	ROSSVILLE	GA
	STATESBORO	GA
	GREENSBORO	NC
	WHITEVILLE	NC
	LITTLE MT.	SC
	COOKEVILLE	TN
	JACKSON	TN
	MCLEAN	VA
	WISE/HIGH KNOB	VA
7.825/7.225	HILLSBOROUGH	NC
	MORRISTOWN	TN
	YORKTOWN	VA
7.84 /7.24	IRWINTON	GA

	CARTHAGE	NC
	EDEN/MAYODAN	NC
	FOREST CITY	NC
	FRANKLIN	NC
	BEAUFORT	SC
	LANCASTER	SC
	PROSPERITY	SC
	GALLATIN	TN
	MEMPHIS	TN
	PETERSBURG	VA
	WOODBRIDGE	VA
7.855/7.255	ATLANTA	GA
	ASHEBORO	NC
	HENDSVL/STONY MT	NC
	PARKSLEY	VA
	MARTINSBURG	WV
7.87 /7.27	AMERICUS	GA
	BUFORD	GA
	BENSON	NC
	WAYNESVILLE	NC
	CHARLSTN/LDSN	SC
	SENECA/LONG MT	SC
	GALLATIN	TN
	JOHNSON CITY	TN
	MEMPHIS	TN
	GUM SPRING	VA
	SCOTT DEPOT	WV
7.885/7.285	AIKEN	SC
	ROCKY SPUR	SC
	MARTINSVILLE	VA
7.90 /7.30	SVR CRK/MT ALTO	GA
	JACKSONVILLE	NC
	TUCKASEGEE	NC
	CHARLESTON	SC
	KNOXVILLE	TN
	MEMPHIS	TN
	NASHVILLE	TN
	BERRYVILLE	VA
	CLIFTON FORGE	VA
	FRANKLIN	VA
	HUNTINGTON	WV
7.915/7.315	UNION CROSS	NC
	CENTERVILLE	TN
	ALEXANDRIA	VA
7.92 /7.32	GRUNDY	VA
7.93 /7.33	LAGRANGE	GA
	TOCCOA*	GA
	FAYVLLE/FT BRAGG	NC
	LENOIR/HIBRITN	NC
	COLUMBIA	SC
	COVINGTON	TN
	CROSSVILLE	TN
	NASHVILLE	TN
	LEXNGTN/COLE MT	VA
	WARSAW	VA
7.945/7.345	SHELBY	NC
	HENDERSONVILLE	TN
	GATE CITY	VA
	FRANKLIN	WV
7.95 /7.35	DANVILLE	VA
7.96 /7.36	DOUGLASVILLE	GA
	DUBLIN	GA
	BOONE	NC
	GREENVILLE	NC
	LUMBERTON	NC
	COLUMBIA	SC
	KNOXVILLE	TN
	MEMPHIS	TN
	NASHVILLE	TN
	PARIS	TN
	CHESTERFIELD	VA
7.975/7.375	BURNSVILLE	NC
	HILLSVILLE	NC
	GEORGETOWN	SC
	HILLSVILE	VA
	LYNCHBURG	VA
	NEWPORT NEWS	VA
	GRAFTON	WV
	ST ALBANS	WV
7.99 /7.39	JENKINS	EKY
	THOMASTON	GA
	CHARLOTTE	NC
	EDEN/STONEVILLE	NC
	SMITHFIELD	NC
	LEXINGTON	SC
	DAYTON/RHEA CTY	TN
	GALLATIN	TN
	MEMPHIS	TN
	PETERSBURG	VA
	PARKERSBURG	WV
6.43 /7.43	GRIFFIN	GA
5.00 /7.50	CHARLOTTE	NC
6.19 /7.51	MEMPHIS	TN
7.015/7.615	CLEVELAND	GA
	WARNER ROBINS	GA
7.075/7.675	BUFORD	GA
7.135/7.735	VALDOSTA	GA
	ALAMO	TN
7.21 /7.81	CONYERS	GA
7.225/7.825	CLOUDLAND	GA
7.285/7.885	ASHBURN	GA
	BIRMINGHAM(ALA)	TN
7.30 /7.90	ROME	GA
	MONROE	NC
7.315/7.915	DALTON*	GA
	FORSYTH	GA
6.085/7.955	MORGANTOWN	WV
7.375/7.975	ATHENS*	GA
	GREENVILLE	SC
5.23 /ET	HAMPTON	VA

10 METERS

9.60 /9.60	CHARLOTTESVILLE	VA
9.52 /9.62	ATLANTA*	GA
	KNOXVILLE	TN
	MEMPHIS	TN

6 METERS

3.05 /2.05	MARIETTA	GA
2.58 /2.48	FAIRFAX	VA
2.525/2.525	HENDERSONVILLE	NC
	CHARLOTTESVILLE	VA
2.76 /2.525	KNOXVILLE	TN
3.525/2.525	NORFOLK	VA
2.01 /3.01	HENDERSONVILLE	NC
	NEWPORT	NC
	CHATTANOOGA	TN
	MEMPHIS	TN
	ABINGTON	VA
	LEXNGTN/COLE MT	VA
	NORTN/HIGH KB	VA
2.03 /3.03	CHARLOTTE	NC
	ROANOKE RAPIDS	NC
2.05 /3.05	COPE	SC
2.09 /3.09	RICHMOND	VA
2.13 /3.13	ALEXANDRIA	VA
	DANVILLE(DCC)	VA
2.15 /3.15	KNOXVILLE	TN
	LYNCHBURG	VA
2.25 /3.25	KNOXVILLE	TN
2.35 /3.35	CARY	NC
	KNOXVILLE	TN
2.41 /3.41	PICKENS	SC
2.47 /3.47	HICKORY	NC
2.67 /3.67	STATESVILLE	NC
2.525/T.BS	PICKENS/CSRS HD	SC

220 MHZ

2.22 /3.82	FALLS CHURCH	VA
2.30 /3.90	COLUMBIA	SC
	HERMITAGE	TN
2.32 /3.92	HIGH POINT	NC
2.34 /3.94	CANTON	GA
	ASHVL/MT PISGAH	NC
	HILLSBOROUGH	NC
	CLARKSVILLE	TN
	MEMPHIS	TN
2.36 /3.96	ROCKY MOUNT	NC
2.38 /3.98	LINWOOD	NC
	GALLATIN	TN
2.40 /4.00	LOCUST	NC
	PETERSBURG	VA
2.42 /4.02	FAYETTEVILLE	NC
	HICKORY	NC
	NASHVILLE	TN
2.46 /4.06	EASLEY/SASFRS MT	SC
2.48 /4.08	NASHVILLE	TN
2.50 /4.10	FAIRFAX	VA
2.52 /4.12	KENNESAW	GA
2.54 /4.14	PICKENS/CSRS HD	SC
	FRANKLIN	TN
	HUNTINGTON	WV
2.56 /4.16	LENOIR	NC
	LENOIR/HIBRITN	NC
2.62 /4.22	NASHVILLE	TN
2.64 /4.24	CANTON/CHBRS MT	NC
2.70 /4.30	STATESVILLE	NC
2.74 /4.34	FRIES	VA
2.80 /4.40	CHARLOTTE	NC
2.86 /4.46	KNOXVILLE	TN
2.90 /4.50	KNOXVILLE	TN
2.94 /4.54	MT MITCHELL	NC
3.00 /4.60	ASHEVILLE	NC
3.04 /4.64	RALEIGH	NC
	WINSTON-SALEM	NC
3.06 /4.66	CANTON	GA
3.08 /4.68	CHARLOTTE	NC
3.10 /4.70	WSTFLD/SAUTN MT	NC
3.14 /4.74	KINGSTON/LICK KB	WV
3.16 /4.76	SALISBURY	NC
	DAN/WHT OAK	VA
3.18 /4.78	CHATTANOOGA	TN
3.20 /4.80	MORGANTON	NC
3.22 /4.82	ATLANTA	GA
	GREENSBORO	NC
	KNOXVILLE	TN
	ALEXANDRIA	VA
3.28 /4.88	WSTFLD/SAUTN MT	NC
3.30 /4.90	COL/LITTLE MT	SC
	CHATT/SIGNAL MT	TN
3.34 /4.94	KENNESAW	GA
	GREENEVILLE	TN
	ROANOKE/POOR MTN	VA
3.36 /4.96	CHERRYVILLE	NC

440 MHZ

9.25 /6.27	ALEXANDRIA	VA
9.25 /7.25	ALBANY	GA
	CHATT/SIGNAL MT	TN
7.00 /2.00	WINCHESTER	VA
7.05 /2.05	MEDINA	TN
7.25 /2.25	COVINGTON	VA
7.50 /2.50	KNOXVILLE	TN
	ROANOKE/POOR MT	VA
7.75 /2.75	ROANOKE	VA
7.80 /2.80	FRANKLIN	TN
	MEMPHIS	TN
7.90 /2.90	HIGH POINT	NC
8.00 /3.00	WIN-SAL/SAUTN MT	NC
	MEMPHIS	TN
8.30 /3.30	GATLBG/COVE MT	TN
8.40 /3.40	MEMPHIS	TN
8.50 /3.50	TYSONS CORNER	VA
8.65 /3.65	MT MITCHELL	NC
	HAMPTON	VA
8.70 /3.70	LOCUST	NC
8.75 /3.75	ALAMO	TN
	FINCASTLE	VA
8.875/3.875	CAESARS HEAD	SC
9.00 /4.00	ARLINGTON	VA
9.05 /4.05	WAYNSBR/AFTON MT	VA
9.10 /4.10	HILLSBOROUGH	NC
	COLUMBIA	SC
	CHATTANOOGA	TN
9.15 /4.15	LEXNGTN/COLE MT	VA
9.20 /4.20	COLUMBUS	GA
	MORRISTOWN	TN
9.25 /4.25	CHARLOTTESVILLE	VA
9.30 /4.30	FISHERVILLE	TN
	KNOXVILLE	TN
	WAYNESBORO	VA
9.35 /4.35	LYNCHBURG	VA
9.40 /4.40	FAYETTEVILLE	NC
	OAK RIDGE	TN
4.93 /4.43	GALLATIN	TN
9.35 /4.45	GALLATIN	TN
9.45 /4.45	GALLATIN	TN
	FALLS CHURCH	VA
9.50 /4.50	KENNESAW	GA
	MEMPHIS	TN
	LYNCHBURG	VA
	RICHMOND	VA
9.10 /4.509	CHARLESTON	SC
9.55 /4.55	MILAN	TN
	NASHVILLE	TN
9.60 /4.60	CHARLOTTE	NC
	KNOXVILLE	TN
	ALEXANDRIA	VA
9.65 /4.65	GREENEVILLE	TN
9.675/4.675	NASHVILLE	TN
9.70 /4.70	ROCKY MOUNT	NC
	KNVLE/HOUSE MT	TN
	MORRISTOWN	WV
9.75 /4.75	ROCK HILL	SC
9.775/4.775	NASHVILLE	TN
9.80 /4.80	CANTON/CHBRS MT	NC
	GREENVILLE	NC
	MEMPHIS	TN
	KINGSTON/LICK KB	WV
	MORGANTOWN	WV
9.85 /4.85	CHARLOTTE	NC
	PETERSBURG	VA
9.875/4.875	NASHVILLE	TN
9.90 /4.90	ASHVL/MT PISGAH	NC
	GREENSBORO	NC
9.95 /4.95	VIRGINIA BEACH	VA
9.975/4.975	BUCKHEAD	GA
	NASHVILLE	TN
3.80 /8.80	SUMMERVILLE	SC
4.225/9.225	MANASSAS	VA
4.25 /9.25	STONE MTN	GA
4.40 /9.40	MEMPHIS	TN
4.60 /9.60	CHARLOTTE	NC
4.75 /9.75	FAIRFAX	VA
4.85 /9.85	ANNANDALE	VA
4.90 /9.90	WOODBRIDGE	VA

February 1984

CVRA-SERA DISTRICTS INCLUDE

VIRGINIA
N CAROLINA
S CAROLINA
TENNESSEE
WEST VIRGINIA

INDEX ALSO INCLUDES GEORGIA E. KENTUCKY

CVRA-SERA REPEATER INDEX LISTINGS BY CITY-BY-STATE

NORTH CAROLINA REPEATERS

2 METERS

AHOSKIE	WB4YNF	144.53	145.13	D	A
AHOSKIE	WA4ZGQ	146.31	146.91	N	PA
ALBEMARLE	K4OGB	146.385	146.985		
ASHEBORO	WD4AIB	147.855	147.255		PAL
ASHEVILLE	WA4QCO	146.235	146.835		A
ASHVL/MT PISGAH	WA4BVW	146.16	146.76		
ASHVL/SPIVEY MT	W4MOE	146.31	146.91		PA
BENSON	WR4ARL	147.87	147.27	N	PA
BOONE	WA4KDB	147.96	147.36		
BREVARD/TRNS CTY	W4EHV	147.735	147.135		
BURGAW	K4LZY	146.34	146.94		
BURLINGTON	WB4ZIN	146.07	146.67		A
BURLINGTON	W4VGZ	146.475	147.075	N	EA
BURLINGTON	WA4HBQ	147.675	147.075	N	EA
BURNSVILLE	WA4LLR	147.975	147.375	D	A
CANTON/CHBRS MT	WB4OKG	144.75	145.35	D	
CARTHAGE	W4NIW	147.84	147.24	D	EA
CHARLOTTE	KE4ZC	144.57	145.17		
CHARLOTTE	W4BFB	144.63	145.23	D	
CHARLOTTE	WD4JWO	144.69	145.29	N	
CHARLOTTE	WB4HTR	144.75	145.35	N	
CHARLOTTE	KA4HNP	145.00	147.50	N	
CHARLOTTE	W4BFB	146.175	146.775	D	R
CHARLOTTE	WR4AEU	146.34	146.94	D	A
CHARLOTTE	WR4ALO	146.46	147.06	N	A
CHARLOTTE	WB4KPF	147.615	147.015	D	PA
CHARLOTTE	WD4PLY	147.99	147.39	N	
CHRYVL/BKRS MT	WB4UDS	144.55	145.15	D	
CONCORD/KANNAP.	K4CEB	146.055	146.655		A
CROWDERS MT	WD4PLY	144.85	145.45	N	
DILLSBORO	WB4NSS	146.385	146.985	D	
DUNN	WB4FXM	146.10	146.70		PA
DURHAM	WA4BFT	146.34	146.94	N	A
EDEN/MAYODAN	WA4ACP	147.84	147.24	N	
EDEN/STONEVILLE	WA4QBG	147.99	147.39		
ELIZABETH CITY	WA4VTX	146.46	147.06	N	A
ELIZABETHTOWN	N4DHW	146.175	146.775	N	
ERWIN	WR4ALY	146.43	147.03	N	
FAYETTEVILLE	N4EWG	146.205	146.805		
FAYETTEVILLE	WB4YZF	146.31	146.91		
FAYVLLE/FT BRAGG	W4LPL	147.93	147.33	D	
FISHERS PK/WS	W4HKB	144.87	145.47		P
FOREST CITY	W4TMT	146.07	146.67	N	A
FOREST CITY	WA4BKU	147.84	147.24	N	
FRANKLIN	W4GHZ	147.84	147.24		
FRNKLN/COWEE BLD	N4AC	144.89	145.49		
GAST/SPCR MT	W4REW	147.72	147.12		A
GASTONIA	K4ZFD	146.205	146.805	N	L
GOLDSBORO	K4CYP	146.25	146.85		A
GREENSBORO	N4AZM	144.65	145.25	D	A
GREENSBORO	K4SNI	146.01	146.61		A
GREENSBORO	WA4MSS	146.16	146.76		
GREENSBORO	WB4DVN	146.265	146.865	N	
GREENSBORO	WD4IPZ	147.63	147.03	D	PA
GREENSBORO	W4BUZ	147.81	147.21	N	
GREENVILLE	WA4DAN	144.75	145.35		
GREENVILLE	W4AMC	147.96	147.36		
GREENVL/ESTN NC	W4GDF	147.69	147.09		
GRIFTON	W4NBR	146.085	146.685	D	
HENDERSONVILLE	WB4YAO	146.04	146.64	N	L
HENDSVL/PINCK MT	WA4KNI	144.67	145.27		A
HENDSVL/STONY MT	WA4KNI	147.855	147.255		A
HICKORY/BRT. MT	WR4ACM	146.25	146.85	N	
HIGH POINT	N4XO	144.51	145.11	N	
HIGH POINT	KA4DHP	147.765	147.165		PA
HIGH POINT/GBO	N4AZM	146.40	147.00	D	LPA
HIGH POINT/GBO	N4AZM	147.60	147.00	D	LPA
HILLSBOROUGH	WA4WTX	147.825	147.225		A
HILLSVILLE	WD4BTS	147.975	147.375	N	A
HOPE MILLS	WB4TRW	146.445	147.045	N	
JACKSONVILLE	WD4FVO	146.40	147.00		PA
JACKSONVILLE	WR4ATW	147.90	147.30	N	
LAKE TOXAWAY	K4MSK	147.795	147.195		
LAURINBURG	K4QWK	146.025	146.625		A
LENOIR/HIBRITN	KN4K	147.93	147.33		
LEWISVILLE	N4GGK	144.61	145.21	D	
LEXINGTON	K4IZM	146.31	146.91		PA
LILLINGTON	WA4FKI	144.87	145.47	N	
LUMBERTON	WB4MDI	147.96	147.36		
MACO	WA4LED	147.66	147.06	D	
MADISON	KA4YFF	146.295	146.895		R
MANTEO	W4PCN	146.34	146.94		PA
MARION/OLD FORT	KA4DEC	147.705	147.105	D	
MAYODAN	N4GWZ	144.55	145.15	N	C
MONROE	K4BGU	147.30	147.90	N	
MONROE/UCARS	K4JCK	147.705	147.105		A
MOOREVILLE	N4GGK	144.75	145.35	N	VC
MORGANTON	K4RP	147.75	147.15		
MT AIRY	WA4ZAS	146.37	146.97		EA
MT AIRY-RTTY	WA4ZAS	146.34	146.94		R
MT AIRY/FANCY GP	WD4MDP	144.73	145.33	D	
MT MITCHELL	WA4BVW	144.59	145.19		
N. WILKESBORO	K4ITL	144.77	145.37		LPA
NAGS HEAD/BODIE	KE4PB	146.235	146.835	N	
NEW BERN	WD4JMS	146.01	146.61		A
NEWPORT	K4GRW	144.85	145.45		AL
OLD FORT	KA4ROZ	146.355	146.955	N	C
OXFORD	N4EKK	144.57	145.17		T
RALEIGH	N4BEA	144.67	145.27		PAL
RALEIGH	N4BEA	144.89	145.49		PA
RALEIGH	W4DW	146.04	146.64		A
RALEIGH	K4BWC	146.13	146.73		A
RALEIGH	K4ITL	146.28	146.88		
RALEIGH	K4ITL	147.75	147.15		PA
REIDSVILLE	K4YFT	146.25	146.85		
ROANOKE RAPIDS	K4PUV	147.63	147.03		
ROARING GAP	WB4PZA	146.22	146.82		
ROBBINSVILLE	WD4CNS	146.445	147.045		
ROCKINGHAM	WA4ULA	146.355	146.955	N	
ROCKY MOUNT	WB4WAA	147.72	147.12		A
SALISBURY	W4EX	146.13	146.73		
SANFORD	WB4EJJ	147.78	147.18		A
SHELBY	WD4DJA	146.28	146.88	D	
SHELBY	WD4DJA	147.945	147.345	D	A
SMITHFIELD	KD4JQ	146.37	146.97	D	A
SMITHFIELD	W4MKL	147.99	147.39	D	PA
SPRING LAKE	WB4KDC	146.115	146.715	N	
STATESVILLE	AI4O	146.085	146.685		PA
STATSVL/ASBRY MT	WA4JRL	147.645	147.045		
TUCKASEGEE	W80MV	147.90	147.30	N	
UNION CROSS	WA4RBW	147.915	147.315		
WADESBORO	W4USH	146.235	146.835	N	
WAXHAW	WB4OOA	146.295	146.895	D	PA
WAXHAW	WA4ZRS	147.465	146.865		A
WAYNESVILLE	N4SM	147.87	147.27		PA
WHITEVILLE	K4MSD	147.81	147.21		
WILLIAMSTON	KA4KNU	144.81	145.41		
WILMINGTON	W4VNK	146.13	146.73		PA
WILMINGTON	K4GMP	146.22	146.82		
WILMINGTON	WD4HMA	147.78	147.18	N	C
WILSON	WB4THL	146.16	146.76		
WIN-SAL/SAUTN MT	WB4KQN	144.79	145.39	D	L
WINSTON-SALEM	WA4GIC	146.04	146.64		A

220 MHZ

ASHEVILLE	NC4N	223.00	224.60		
ASHVL/MT PISGAH	WA4BVW	222.34	223.94		
CANTON/CHBRS MT	WB4OKG	222.64	224.24	D	C
CHARLOTTE	KE4ZC	222.80	224.40		
CHARLOTTE	WB4KPF	223.08	224.68	D	LA
CHERRYVILLE	WB4UDS	223.36	224.96	D	
FAYETTEVILLE	W4EHF	222.42	224.02	D	
GREENSBORO	N4AZM	223.22	224.82	D	
HICKORY	WR4ACM	222.42	224.02	N	
HIGH POINT	K4AZA	222.32	223.92		LPA
HILLSBOROUGH	WA4WTX	222.34	223.94		L
LENOIR	K4HTV	222.56	224.16	N	
LENOIR/HIBRITN	KN4K	222.56	224.16		
LINWOOD	KA4HUV	222.38	223.98	N	
LOCUST	WA4ZIA	222.40	224.00		PA
MORGANTON	WB4PML	223.20	224.80	D	
MT MITCHELL	WA4BVW	222.94	224.54		
RALEIGH	WA4PEN	223.04	224.64	N	
ROCKY MOUNT	KA4DAP	222.36	223.96	N	
SALISBURY	W4EXU	223.16	224.76		
STATESVILLE	WA4PVI	222.70	224.30	N	
WINSTON-SALEM	WA4YHH	223.04	224.64	N	
WSTFLD/SAUTN MT	W4RXG	223.10	224.70		R
WSTFLD/SAUTN MT	W4RXG	223.28	224.88		

CVRA REPEATER SYMBOLS

Unmarked in First Code column-Full CVRA Members

N	NON Member CVRA	RB	Remote Base System
D	Delinquent Member	T	Tone Access Repeater
M	T-MARC Repeater	L	Linked Repeater
A	Open Autopatch	R	Radioteletype Rptr.
PA	Private Autopatch	V	Television (SS or ATV)
EA	Emerg. Autopatch	P	Proposed Repeater
		C	Under Construction
		O	Off Air Temporarily

440 MHZ

ASHVL/MT PISGAH	WA4COS	449.90	444.90	N	
CANTON/CHBRS MT	WB4OKG	449.80	444.80	D	C
CHARLOTTE	W4BFB	444.60	449.60	D	P
CHARLOTTE	WR4AEU	449.60	444.60	D	P
CHARLOTTE	WR4ALO	449.85	444.85	N	
FAYETTEVILLE	KB4ZW	449.40	444.40		
GREENSBORO	WB4HZI	449.90	444.90	N	
GREENVILLE	AI4J	449.80	444.80	N	
HIGH POINT	K4AZA	447.90	442.90		L
HILLSBOROUGH	WA4WTX	449.10	444.10		PA
LOCUST	WA4LBT	448.70	443.70		
MT MITCHELL	N4DWU	448.65	443.65		C
ROCKY MOUNT	N4JEH	449.70	444.70		C
WIN-SAL/SAUTN MT	WB4KQN	448.00	443.00	D	LC

6 METERS

CARY	WR4AVP	52.35	53.35	N	
CHARLOTTE	KE4ZC	52.03	53.03		
HENDERSONVILLE	WB4YAO	52.01	53.01	N	
HENDERSONVILLE	WB4YAO	52.525	52.525	N	RB
HICKORY	WR4ACM	52.47	53.47	N	
NEWPORT	K4GRW	52.01	53.01	N	P
ROANOKE RAPIDS	K4PUV	52.03	53.03	D	C
STATESVILLE	WA4WRS	52.67	53.67	N	

TENNESSEE REPEATERS

2 METERS

ALAMO	WB4EDS	147.135	147.735	D	
ALTAMONT	WR4AWN	146.37	146.97	N	
ATHENS	WB4GRC	144.71	145.31	N	
BENTON	K4SIR	144.85	145.45	N	
BESSEMER(ALA)	N4AHN	144.55	145.15		AL
BIRMINGHAM(ALA)	WD4BXA	147.285	147.885	D	A
BLOUNTVILLE	WA4KMG	147.60	147.00	D	
BRISTOL	K4ILW	146.07	146.67		A
BRISTOL	WD4CYZ	146.28	146.88	D	
BRISTOL/HLSTN MT	WR4ADO	146.16	146.76	N	
BROWNSVILLE	WA4ABU	146.655	146.055	D	PA
CENTERVILLE	WB4PZB	147.915	147.315	N	
CHATT/SIGNAL MT	WA4ZOK	147.60	147.00		PA
CHATTANOOGA	K4VCM	144.69	145.29		
CHATTANOOGA	W4AM	144.73	145.33	N	
CHATTANOOGA	KB4TZ	144.79	145.39		A
CHATTANOOGA	K4CMY	146.01	146.61		
CHATTANOOGA	AD4F	146.10	146.70		
CHATTANOOGA	W4DSK	146.19	146.79		A
CHATTANOOGA-RTTY	K4CMY	144.53	145.13	N	
CLARKSVILLE	WA4TEQ	147.60	147.00	N	
CLEVELAND	WR4AQV	147.78	147.18	N	
COLUMBIA	WR4AIX	147.72	147.12	N	
COOKEVILLE	WA4UCE	146.07	146.67	N	A
COOKEVILLE	N4WS	147.81	147.21		
COVINGTON	WA4VXW	147.93	147.33	N	
CROSSVILLE	KE4RX	146.04	146.64	N	
CROSSVILLE	W4CV	147.93	147.33	N	
DAYTON/RHEA CTY	K4ZLA	147.99	147.39	N	
DECATUR-PONE KB	W4RJC	144.55	145.15		
DYERSBURG	AA4HF	146.145	146.745	N	
FAYETTEVILLE	KO4G	146.265	146.865	N	
FAYETTEVILLE	W4NIQ	147.63	147.03	N	
FISHERVILLE	N4DRL	144.65	145.25	N	A
FRANKLIN	WB4HCK	144.55	145.15	N	RB
FRAYSER	W4UFT	146.10	146.70	N	
FRAYSER	W4ZJM	146.43	147.03	N	
GALLATIN	W4NIT	147.84	147.24	D	PA
GALLATIN	WA4YQC	147.87	147.27		PA
GALLATIN	WB4DLQ	147.99	147.39	N	
GREENEVILLE	N4TV	144.65	145.25		
GREENEVILLE	WB4TUO	144.81	145.41		
GREENEVILLE	WA4LYF	147.66	147.06		A
GTLBG/COVE MTN	WA4KJH	146.25	146.85		
HENDERSONVILLE	WD4FFM	147.945	147.345	N	
JACKSON	KF4SC	144.71	145.31	N	
JACKSON	W4WKZ	147.81	147.21	N	
JASPER	KA4LGN	144.59	145.19	N	
JOHNSON CITY	WB4SQC	144.69	145.29		PA
JOHNSON CITY	WB4EHK	146.19	146.79		
JOHNSON CITY	KE4FH	147.87	147.27	D	A
KNGSPT/BAYS MT	W4TRC	146.37	146.97		A
KNOXVILLE	WB4JSD	144.51	145.11		R
KNOXVILLE	K4KFD	144.61	145.21	N	A
KNOXVILLE	WA4TEM	144.73	145.33		A
KNOXVILLE	WA4GZE	144.77	145.37		
KNOXVILLE	WB4GBI	144.83	145.43		
KNOXVILLE	WB4IOB	146.13	146.73		
KNOXVILLE	K4HXD	146.34	146.94	D	
KNOXVILLE	K4HXD	147.675	147.075	D	A
KNOXVILLE	W4BBB	147.90	147.30		
KNOXVILLE	WB4HAP	147.96	147.36		
KNXVL/HOUSE MT	WB4GBI	144.87	145.47		
LAFOLLETTE	KF4OQ	144.53	145.13	N	
LAFOLLETTE/WMT	W4TZG	146.07	146.67		
LAKE CITY	WB4OAH	146.22	146.82	N	
LEXINGTON	WB4LGH	146.43	147.03	N	
LOUDON	KE4SK	144.57	145.17	D	
MADISON	WB4NTM	146.04	146.64	N	
MANCHESTER	W4FOT	146.10	146.70	N	A
MARTIN	WA4ZQX	146.625	146.025	D	
MCMINNVILLE	WA4CPJ	144.63	145.23	N	A
MCMINVL/SHT MT	W4KKO	144.89	145.49		
MEDINA	K4BEZ	146.37	146.97	D	A
MEMPHIS	WA4VIP	144.81	145.41	N	
MEMPHIS	WA4KOG	144.89	145.49	N	
MEMPHIS	WB4MQD	145.33	PKET	N	
MEMPHIS	W4GYS	146.04	146.64	N	
MEMPHIS	WR4AOG	146.10	146.70	N	R
MEMPHIS	KA4JXT	146.13	146.73	N	
MEMPHIS	WR4ABS	146.19	147.51	N	
MEMPHIS	W4BS	146.22	146.82	N	
MEMPHIS	WA4KOG	146.25	146.85	N	A
MEMPHIS	WA4ETE	146.28	146.88	N	A
MEMPHIS	K4BN	146.34	146.94	N	A
MEMPHIS	K4FZJ	146.40	147.00	N	
MEMPHIS	WA4MQQ	146.46	147.06	N	
MEMPHIS	W4ZJM	147.63	147.03	N	L
MEMPHIS	WR4AWT	147.69	147.09	N	
MEMPHIS	WB4DAZ	147.72	147.12	N	AT
MEMPHIS	WA5KUB	147.75	147.15	N	
MEMPHIS	WA4KOG	147.78	147.18	N	
MEMPHIS	WD4APK	147.84	147.24	N	
MEMPHIS	WR4AZC	147.87	147.27	N	
MEMPHIS	WA4ADT	147.90	147.30	N	
MEMPHIS	WB4MMI	147.96	147.36	N	
MEMPHIS	WR4ASR	147.99	147.39	N	
MIDDLEBRO(KY/TN)	W4PPM	144.63	145.23	N	
MORRISTOWN	WD4RTT	147.63	147.03		EA
MORRISTOWN	WB4OAH	147.825	147.225	N	
MOUNTAIN CITY	WD4OMO	144.87	145.47	N	
MT. JULIET	WB4DOR	144.79	145.39	N	
NASHVILLE	N4AJS	144.65	145.25		
NASHVILLE	KA4KNG	144.75	145.35	N	
NASHVILLE	WB4HTX	144.83	145.43		PA
NASHVILLE	N4ARK	144.87	145.47	N	
NASHVILLE	WA4PCD	146.01	146.61		PA
NASHVILLE	WB4NTM	146.07	146.67	N	
NASHVILLE	WB4QES	146.16	146.76	N	
NASHVILLE	W4SQE	146.19	146.79		
NASHVILLE	N4TK	146.25	146.85		PA
NASHVILLE	WB4QES	146.28	146.88	N	
NASHVILLE	WA4PCD	146.34	146.94		
NASHVILLE	AF4K	147.615	147.015	N	
NASHVILLE	WA4PCD	147.75	147.15		
NASHVILLE	WA4PCD	147.78	147.18		
NASHVILLE	WB4ZSA	147.90	147.30		PA
NASHVILLE	N4AJS	147.93	147.33		
NASHVILLE	WD4FFM	147.96	147.36	N	
OAK RIDGE	W4SKH	146.28	146.88	D	
OAK RIDGE	W4SKH	146.37	146.97	D	A
OAK RIDGE	K4EAJ	147.72	147.12		L
OAK RIDGE	K4EAJ	147.75	147.15		R
PARIS	K4KLX	147.96	147.36		A
PULASKI	KA4CCL	146.775	146.175	N	
SAVANNAH	WB4DQU	146.31	146.91	N	
SEVIERVILLE	N4CJX	144.67	145.27		EA(
SHELBYVILLE	W4QEB	147.66	147.06		A
SHORT MTN	W4YXA	146.31	146.91		EA
SMYRNA	WB4LHO	144.57	145.17	D	PA
SPARTA/BON AIR	W4BSA	147.69	147.09		A
STANTONVILLE	KA4OHC	144.79	145.39	D	
UNION CITY	WA4YGM	146.10	146.70	N	
WAVERLY	NO4Q	146.685	146.085	D	
WINCHESTER	WR4AFH	146.22	146.82	N	

10 METERS

KNOXVILLE	K4HXD	29.52	29.62	D	C
MEMPHIS	W4ZJM	29.52	29.62	N	

6 METERS

CHATTANOOGA	WB4LRD	52.01	53.01	N	
KNOXVILLE	WB4IOB	52.15	53.15		A
KNOXVILLE	WA4YON	52.25	53.25		L
KNOXVILLE	WB4GBI	52.35	53.35		C
KNOXVILLE	K4HXD	52.76	52.525	D	
MEMPHIS	WA4KOG	52.01	53.01	N	

220 MHZ

CHATT/SIGNAL MT	WA4ZOK	223.30	224.90	
CHATTANOOGA	K4VCM	223.18	224.78	A
CLARKSVILLE	KF4GP	222.34	223.94	N
FRANKLIN	WD4SGS	222.54	224.14	N
GALLATIN	WB4ZSA	222.38	223.98	PA
GREENEVILLE	WB4NKM	223.34	224.94	A
HERMITAGE	WB4RAB	222.30	223.90	
KNOXVILLE	WA4YON	222.86	224.46	
KNOXVILLE	W4BBB	222.90	224.50	
KNOXVILLE	KB4CTS	223.22	224.82	N C
MEMPHIS	W4ZJM	222.34	223.94	N L
NASHVILLE	N4TB	222.42	224.02	N
NASHVILLE	WR4	222.48	224.08	N
NASHVILLE	N4AWB	222.62	224.22	N

440 MHZ

ALAMO	WB4EDS	448.75	443.75	D L
CHATT/SIGNAL MT	WA4ZOK	439.25	427.25	V
CHATTANOOGA	WA4NFO	449.10	444.10	
FISHERVILLE	N4DDS	449.30	444.30	N A
FRANKLIN	WB4EPG	447.80	442.80	N
GALLATIN	WD4BKY	444.93	444.43	
GALLATIN	WA4YQC	449.35	444.45	D
GALLATIN	WD4KWP	449.45	444.45	PA
GATLBG/COVE MT	WA4KJH	448.30	443.30	
GREENEVILLE	WB4NKM	449.65	444.65	
KNOXVILLE	WB4HAP	447.50	442.50	
KNOXVILLE	K4HXD	449.30	444.30	D
KNOXVILLE	KB4NK	449.60	444.60	D EA
KNXVLE/HOUSE MT	WB4GBI	449.70	444.70	
MEDINA	K4BEZ	447.05	442.05	D AL
MEMPHIS	WA4KOG	444.40	449.40	N
MEMPHIS	WA4QWW	447.80	442.80	N
MEMPHIS	W4ZJM	448.00	443.00	N
MEMPHIS	WA4DOA	448.40	443.40	N A
MEMPHIS	KA4JKT	449.50	444.50	N A
MEMPHIS	WD4APK	449.80	444.80	N
MILAN	WD4ABJ	449.55	444.55	N
MORRISTOWN	KA4NEX	449.20	444.20	N
NASHVILLE	WA4PCD	449.55	444.55	
NASHVILLE	WA4PCD	449.675	444.675	
NASHVILLE	N4TK	449.775	444.775	N
NASHVILLE	WB4THG	449.875	444.875	N
NASHVILLE	WB4QES	449.975	444.975	N
OAK RIDGE	K4EAJ	449.40	444.40	L

VIRGINIA REPEATERS

2 METERS

ALEXANDRIA	WD4PDP	146.055	146.655	M
ALEXANDRIA	W4HFH	147.915	147.315	M
ALTAVISTA	WA4ISI	146.055	146.655	PA
ARLINGTON	WA4YVN	146.445	147.045	M
BARREN SPRINGS	K4HZS	146.07	146.67	
BEDFORD	WB4JBJ	147.705	147.105	LR
BERRYVILLE	WA4TSC	147.90	147.30	M
BLACKSBURG	AB9I	146.115	146.715	
BLAND	N4AZJ	144.75	145.35	N L
BLUEFIELD	W8MOP	144.89	145.49	A
BRISTOL	K4ILW	146.07	146.67	N A
BRISTOL	WDECYZ	146.28	146.88	D
BROMLEY MT	WR4ATJ	146.01	146.61	N
CHARLOTTESVILLE	WA4TFZ	146.16	146.76	
CHARLOTTESVILLE	WA4TFZ	146.325	146.925	
CHESAPEAKE	K4NDH	144.69	145.29	EA
CHESAPEAKE	N4GSP	146.01	146.61	
CHESAPEAKE	N4SD	146.19	146.79	A
CHESTER	WA4ECM	147.66	147.06	PA
CHESTERFIELD	KA4CBB	147.96	147.36	
CLIFTON FORGE	K4QEL	147.90	147.30	N
COVINGTON	WA4HTI	146.22	146.82	N
CULPEPPER	WR4BCS	147.72	147.12	M
DANVILLE	K4YZR	147.95	147.35	N
DANVILLE(DCC)	WB4GJG	146.325	146.925	
DANVILLE/WHT OAK	K4WQS	146.10	146.70	
DEWITT	WA4ZOZ	146.43	147.03	N
DUBLIN	KT4Z	147.78	147.18	PA
DUFFLD/POWLL MT	KA4BHH	146.10	146.70	
FAIRFAX	W4LBL	146.19	146.79	N PA
FAIRFAX	K4VYN	146.31	146.91	N PA
FALLS CHURCH	W4AQD	144.75	145.35	M
FARMVILLE	WB4NWP	146.31	146.91	N A
FINCASTLE	W4WIC	146.04	146.64	
FOREST	K4STE	146.16	146.76	A
FRANKLIN	K4SPS	147.90	147.30	N PA
FREDRICKSBURG	WB4LNT	147.615	147.015	
FRIES	WA4DFH	147.735	147.135	A
GALAX	WA4ZIV	144.83	145.43	N
GALAX/BRIRP MT	N4VL	147.69	147.09	
GALAX/LKOUT MT	N4VL	144.53	145.13	
GATE CITY	WD4GTA	147.945	147.345	N
GRUNDY	K4HWQ	147.92	147.32	N A
GUM SPRING	KB4GX	147.87	147.27	
HAMPTON	K4UMI	145.23	PKET	N
HAMPTON	K4DHO	146.13	146.73	
HAMPTON	K4UMI	146.34	146.94	N T
HAYSI	WB4WAU	147.60	147.00	
HAZEL MT	WD4CYZ	146.235	146.835	N
HILLSVILLE	WD4BTJ	147.975	147.375	D A
JONESVILLE	WA4OVC	146.31	146.91	
LEXINGTON	WA4WBD	146.07	146.67	A
LEXNGTN/COLE MT	K4PQD	147.93	147.33	D
LYNCHBURG	W4WWQ	146.01	146.61	N
LYNCHBURG	WA4RTS	147.795	147.195	
LYNCHBURG	W4OSH	147.975	147.375	N PA
MANASSAS	WD4JCE	144.67	145.27	M R
MANASSAS	WA4FPM	146.37	146.97	PA
MARION	N4BIW	146.04	146.64	
MARTINSVILLE	AB4L	147.885	147.285	
MCLEAN	WD4IWG	147.81	147.21	M R
MT. LK/BALD KNB	K4TUE	146.31	146.91	
NEW MARKET	WB4DAK	146.025	146.625	
NEWPORT NEWS	WB4CTF	147.765	147.165	PA
NEWPORT NEWS	WA4OHX	147.975	147.375	PA
NORFOLK	NE4D	146.10	146.70	D
PARKSLEY	WA4TVS	147.855	147.255	N EA
PETERSBURG	K4SII	147.78	147.18	N
PETERSBURG	K4ARO	147.84	147.24	TPA
PETERSBURG	K4ARO	147.99	147.39	
PORTSMOUTH	N4PR	146.25	146.85	N
RADFORD	KC4WA	147.645	147.045	
RICHMOND	W4SQT	144.83	145.43	
RICHMOND	WB4QEY	146.04	146.64	N
RICHMOND	WA4ZBE	146.28	146.88	PA
RICHMOND	W4ZA	146.34	146.94	T
RICHMOND	N4HB	147.735	147.135	
ROANOKE	WR4AHT	146.34	146.94	N AO
ROANOKE/POOR MT	WB4QOJ	146.145	146.745	LPA
ROANOKE/POOR MT	W4CA	146.385	146.985	
SALEM	W4PDL	146.28	146.88	N
SOUTH BOSTON	WD4LBM	146.46	146.06	D
STAUNTON	W4XD	146.10	146.70	
STAUNTON	WA4ZBP	146.25	146.85	
STAUNTON	W4WRN	147.645	147.045	N
STERLING	WA4TXE	146.115	146.715	M
SUFFOLK	WR4AKS	146.40	147.00	N PA
TAZEWELL	WD4DZE	147.75	147.15	N
VIRGINIA BEACH	WA4KXV	146.37	146.97	PA
VIRGINIA BEACH	WA4SBC	147.645	147.045	N
WARRENTON	WB4FJT	147.765	147.165	M
WARSAW	WA4UAF	147.93	147.33	
WAYNESBORO	W4BLD	147.63	147.03	
WAYNSBR/AFTON MT	W4PNT	147.675	147.075	
WILLIAMSBURG	W4NTG	146.07	146.67	D
WINCHESTER	W4RKC	146.22	146.82	
WISE/HIGH KNOB	K4AXO	147.81	147.21	
WOODBRIDGE	WB4FQR	147.84	147.24	M A
WYTHEVILLE	WA4EMS	146.175	146.775	N
YORKTOWN	WD4SDC	147.825	147.225	N

10 METERS

CHARLOTTESVILLE	K4RKA	29.60	29.60	N RBC

6 METERS

ABINGTON	WR4ATJ	52.01	53.01	M L
ALEXANDRIA	WA4CCF	52.13	53.13	M P
CHARLOTTESVILLE	WA4TFZ	52.525	52.525	RB
DANVILLE(DCC)	WB4GJG	52.13	53.13	
FAIRFAX	KA4DCS	52.58	52.48	M
LEXNGTN/COLE MT	K4PQD	52.01	53.01	D L
LYNCHBURG	WB4DBB	52.15	53.15	
NORFOLK	W4NV	53.525	52.525	N
NORTN/HIGH KB	K4LSP	52.01	53.01	N
RICHMOND	WR4	52.09	53.09	N C

220 MHZ

ALEXANDRIA	WA4CCF	223.22	224.82	M
DAN/WHT OAK	K4OAK	223.16	224.76	N
FAIRFAX	K4GCM	222.50	224.10	N
FALLS CHURCH	N4CHP	222.22	223.82	M
FRIES	WA4DFH	222.74	224.34	D
PETERSBURG	K4ARO	222.40	224.00	
ROANOKE/POOR MTN	WB4DBB	223.34	224.94	

440 MHZ

ALEXANDRIA	WR4AAG	439.25	426.27	M	V
ALEXANDRIA	W4HFH	449.60	444.60	M	
ANNANDALE	WR4AQG	444.85	449.85	M	PL
ARLINGTON	K8ZOA	449.00	444.00	M	L
CHARLOTTESVILLE	WA4TFZ	449.25	444.25		
COVINGTON	WA4HTI	447.25	442.25	N	
FAIRFAX	K4JYF	444.75	449.75	N	
FALLS CHURCH	WB8CRK	449.45	444.45	M	L
FINCASTLE	W4WIC	448.75	443.75		
HAMPTON	K4UMI	448.65	443.65	N	
LEXNGTN/COLE MT	K4PQD	449.15	444.15	D	
LYNCHBURG	WB4DBB	449.35	444.35		L
LYNCHBURG	K4HEX	449.50	444.50	N	RB
MANASSAS	WD4JCE	444.225	449.225	M	L
PETERSBURG	K4ARO	449.85	444.85		
RICHMOND	K4ARO	449.50	444.50		
ROANOKE	WR4AFE	447.75	442.75	N	
ROANOKE/POOR MT	W4CA	447.50	442.50		
TYSONS CORNER	WB6GUS	448.50	443.50	M	
VIRGINIA BEACH	WA4KXV	449.95	444.95		
WAYNESBORO	W4BLD	449.30	444.30		PA
WAYNSBR/AFTON MT	W4BLD	449.05	444.05		
WINCHESTER	W3CSG	447.00	442.00	M	
WOODBRIDGE	WB4FQR	444.90	449.90	M	

WEST VIRGINIA REPEATERS

2 METERS

ALDERSON	WR8AKZ	146.13	146.73	N	
BECKLEY	KC8FW	144.77	145.37	N	LA
BKLY/FLAT TOP MT	K8BO	146.25	146.85	N	A
BLUEFIELD	W8MOP	144.89	145.49		A
BOLT MT	WB8LVH	144.57	145.17	N	L
BRIDGEPORT	K8VNQ	147.72	147.12		EAL
BUCKHANNON	K8WYH	146.25	146.85	N	
CHARLESTON	WR8AER	146.22	146.82	N	
CHARLESTON	WB8CQV	146.28	146.88	N	
CLARKSBURG	WB8ZVS	146.22	146.82		
CLARKSBURG	WB8DTM	146.50	52.525	N	RB
COAL MTN	WB8KAD	146.12	146.72	N	A
COAL MTN	WB8OEC	147.75	147.15	N	
COTTAGEVILLE	WR8AKV	146.31	146.91	N	
DUNBAR	K8VKI	147.72	147.12		EA
FAIRMONT	W8SP	146.31	146.91		
FRANKLIN	W3RUA	147.945	147.345		
GRAFTON	K8VNQ	147.975	147.375		L
HUNTINGTON	WB8EZR	146.04	146.64	N	
HUNTINGTON	WR8AGH	146.16	146.76	N	A
HUNTINGTON	KA8BKX	147.90	147.30	N	
JUMPING BRANCH	WD8OGY	146.355	146.955	N	
KINGSTON/LICK KB	W8FG	144.87	145.47		
LAYLAND/MANN MT	N8BZS	144.71	145.31	N	L
LEON	WB8NMT	147.78	147.18	N	
LOGAN	WD8KWC	144.63	145.23	D	
LOGAN	WA8ZLR	146.09	147.11	N	O
LOGAN	WD8DRV	146.37	146.97	N	
MADISON	KA8JYR	146.06	147.06	N	TA
MARMET/BEE MT	N8DBN	144.55	145.15	N	
MARTINSBURG	WB8VUZ	147.855	147.255	N	
MCMECHEN	WA8ULB	146.31	146.91		
MCMECHEN	N8CFX	147.75	147.15		
MORGANTOWN	K8LG	144.83	145.43	D	L
MORGANTOWN	WB8YZT	146.085	147.955	N	
MORGANTOWN	W8CUL	146.16	146.76	D	LPA
MULLENS	WR8AKX	147.63	147.03	N	LA
NEW MARTINSVLLE	WR8ABY	146.34	146.94	N	
OAK HILL	W8GH	146.19	146.79	D	PA
PARKERSBURG	WA8CRW	146.37	146.97		PA
PARKERSBURG	WD8AXY	147.99	147.39		
PARSONS	K8VNQ	144.73	145.33		EAL
PIE HORSE MT	N8APH	144.67	145.27	N	A
POINT PLEASANT	W8KNM	147.66	147.06	N	
PRINCETON	KA8PNC	146.46	147.06		A
RAVENSWOOD	WD8JNU	146.07	146.67		
RAVENSWOOD	WD8JNU	146.10	146.70		R
RICHWOOD	K8VKB	146.34	146.94		
SCOTT DEPOT	K8SLI	147.87	147.27	N	A
SPENCER	WA8SAK	146.01	146.61	N	
ST ALBANS	WB8GDY	146.40	147.00		
ST ALBANS	K8BCH	147.975	147.375		R
TERRA ALTA	WB8PHU	147.60	147.00		PA
WEIRTON	KC8JN	146.34	146.94	D	A
WELCH	WB8SXZ	144.85	145.45	D	
WHEELING	W8YFX	144.59	145.19	N	
WHEELING	W8JDH	146.16	146.76	N	

220 MHZ

HUNTINGTON	KA8BKX	222.54	224.14	N	
KINGSTON/LICK KB	W8FG	223.14	224.74	D	

440 MHZ

KINGSTON/LICK KB	KA8EMX	449.80	444.80	N	
MORGANTOWN	K8LG	449.70	444.70	D	L
MORGANTOWN	W8CUL	449.80	444.80	D	PA

SOUTH CAROLINA REPEATERS

2 METERS

AIKEN	N4ADM	147.885	147.285		
ANDERSON	N4SZ	146.37	146.97		PA
ANDSN/SASFRAS MT	W4FVV	146.19	146.79		
BAMBERG	WA4DFP	144.73	145.33	N	
BEAUFORT	KB4GY	146.01	146.61		
BEAUFORT	KB4GY	147.84	147.24		
CAROWINDS	AA4SC	147.78	147.18	N	
CHARLESTON	K4ILT	146.16	146.76	N	PA
CHARLESTON	K4LWS	147.90	147.30		A
CHARLSTN/LDSN	WB4LET	147.87	147.27		PA
CHERAW	KA4ABW	147.735	147.135	D	PA
COLUMBIA	N4EOY	146.07	146.67		
COLUMBIA	K4AVU	146.28	146.88		
COLUMBIA	K4LNU	146.34	146.94		
COLUMBIA	WB4VLY	147.93	147.33		
COLUMBIA	K4LNU	147.96	147.36		PA
DILLON/PEE DEE	NN4N	146.145	146.745		EA
FLORENCE	W4ULH	146.25	146.85	D	
FLORENCE	WA4ISM	146.37	146.97		PA
FT JACKSON	WB4OCB	146.16	146.76		
GASTON	WB4NEP	144.61	145.21		PA
GEORGETOWN	WD4DMI	147.975	147.375	D	
GOOSE CREEK	WD4NUN	144.85	145.45	D	T
GOOSE CREEK	W4NAT	147.78	147.18	N	
GREENVILLE	W4AZT	146.10	146.70	D	A
GREENVILLE	K4LEO	147.375	147.975	N	PA
GREENWOOD	WB4UGA	147.765	147.165	D	PA
GREER	W4IQQ	146.34	146.94	N	
GRNVLE/CSRS HD	W4NYK	146.01	146.61		
GRNVLE/PARIS MT	W4NYK	146.22	146.82		PA
HODGES/GREENWOOD	KB4YF	144.53	145.13	N	
INMAN	WD8OXE	144.87	145.47		
LANCASTER	W4PAX	146.10	146.70		
LANCASTER	WB4BGF	147.84	147.24		
LAURENS	WA4UZA	146.25	146.85	N	A
LEXINGTON	WR4AGK	147.255	146.835	N	
LEXINGTON	KA4FEC	147.99	147.39		
LITTLE MT.	K4AVU	147.81	147.21		
MARION	W4YLT	146.40	147.00	N	EA
MYRTLE BEACH	WD4JMT	146.01	146.61	D	A
MYRTLE BEACH	WA4YGE	147.72	147.12	N	
MYRTLE BEACH, N	WA4JYR	147.63	147.03	N	PA
N. AUGUSTA	K4FKJ	146.13	146.73		
N. AUGUSTA	K4VF	146.34	146.94	D	
ORANGEBURG	WR4AQY	147.69	147.09	N	A
PICKENS	WB4YXZ	146.40	147.00		A
PROSPERITY	WB4OCB	147.84	147.24		
ROCK HILL	KA4RFA	144.71	145.31	N	LPA
ROCK HILL	K4YTZ	146.325	146.925		PA
ROCK HILL	K4YTZ	146.43	147.03		PA
ROCKY SPUR	KS4I	147.885	147.285		
SENECA/LONG MT	WA4JRJ	147.87	147.27	N	
SIMPSONVILLE	WA4LDP	146.13	146.73		
SIMPSONVILLE	WA4SDT	147.75	147.15	N	R
SPARTANBURG	WD8OXE	147.69	147.09		PA
SUMMERVILLE	WB4URP	144.65	145.25	N	
SUMTER	WS4P	146.04	146.64	D	
SUMTER	WA4UMU	147.615	147.015	D	A
SUMTER	W4VFR	147.66	147.06	N	
WHITE HALL	W4BWZ	146.31	146.91		

220 MHZ

COL/LITTLE MT	N4EOY	223.30	224.90		CRB
COLUMBIA	N4EOY	222.30	223.90		
EASLEY/SASFRS MT	KJ4X	222.46	224.06		
PICKENS/CSRS HD	WB4QHF	222.54	224.14		PA

440 MHZ

CAESARS HEAD	WB4LZQ	448.875	443.875	N	
CHARLESTON	N4SC	449.10	444.509	N	T
COLUMBIA	KC4YI	449.10	444.10		
ROCK HILL	KA4RFA	449.75	444.75	N	LPA
SUMMERVILLE	WA4HNK	443.80	448.80	N	

6 METERS

COPE	N4HSN	52.05	53.05	
PICKENS	WB4YXZ	52.41	53.41	C
PICKENS/CSRS HD	WB4QHF	52.525	RMT.BS	D CBR

GEORGIA REPEATERS

2 METERS

ADAIRSVILLE	WB4LRA	146.085	146.685	
ALBANY	WR4ADM	146.10	146.70	
ALBANY	W4MM	146.13	146.73	
ALBANY	WR4ANB	146.22	146.82	
AMERICUS	WR4AQH	147.87	147.27	
ASHBURN	WA4NTF	144.63	145.23	
ASHBURN	K4QT	147.285	147.885	
ATHENS	WA4BKF	146.13	146.73	
ATHENS*	K4TQU	147.375	147.975	
ATLANTA	NC4E	144.69	145.29	
ATLANTA	WB4LBM	144.71	145.31	
ATLANTA	WR4ABE	146.04	146.64	T
ATLANTA	W4DOC	146.22	146.82	
ATLANTA	WR4ABC	146.37	146.97	
ATLANTA	WR4ARK	146.40	147.00	PA
ATLANTA	K4SMX	147.795	147.195	
ATLANTA	W4LUZ	147.855	147.255	
ATLANTA/BELL*	W4PME	144.81	145.41	
ATLANTA/GA TECH*	W4AQL	144.55	145.15	
AUGUSTA*	K4VE	146.34	146.94	
AUGUSTA*	W4ALK	147.72	147.12	PA
AUGUSTA*	N4BMA	147.78	147.18	D R
BALDWIN	WD4NHW	147.78	147.18	
BLAIRSVILLE	WA4EZN	147.70	147.10	
BRUNSWICK	K4TVE	146.13	146.73	
BUFORD	WD4JXR	147.075	147.675	P
BUFORD	WD4JXR	147.87	147.27	
CANTON	KE4PN	144.67	145.27	
CARROLLTON	W4FWD	146.04	146.64	
CEDARTOWN	W4CMA	147.72	147.12	
CLEVELAND	K4FOW	144.69	145.29	
CLEVELAND	K4FOW	147.015	147.615	
CLOUDLAND	N4AHE	147.225	147.825	
COHUTTA-RTTY	W4KAU	146.46	147.06	R
COLUMBUS	WA4QHN	146.01	146.61	
COLUMBUS	N4BJZ	146.28	146.88	
CONYERS	WB4SLZ	147.21	147.81	
COVINGTON	WA4ASI	146.925	146.325	
CUMMING	K4BYK	147.75	147.15	PA
DALLAS	K4DVJ	146.25	146.85	
DALTON*	N4BZJ	144.63	145.23	
DALTON*	N4BZJ	144.65	145.25	
DALTON*	KC4TT	147.315	147.915	
DECATUR*	W4VTA	144.51	145.11	EA
DOUGLASVILLE	KB4EO	147.96	147.36	
DUBLIN	WA4HZX	147.96	147.36	
FAYETTEVILLE	K4UWN	146.685	146.085	
FOLKSTON	K4DMK	146.19	146.79	
FOREST PARK	K4KQK	144.65	145.25	
FORSYTH	WR4AQA	147.315	147.915	
GAINESVILLE	WD4IWJ	146.31	146.91	
GAINESVILLE*	W4NSO	146.07	146.67	D A
GRIFFIN	WR4AIV	146.31	146.91	
GRIFFIN	WR4AEA	146.43	147.43	
GRIFFIN*	WB4GWA	144.79	145.39	PA
HAMILTON	WB4ULJ	144.59	145.19	
HAMILTON	N4GDG	146.835	146.235	
HAMILTON-RTTY	K4ACH	144.77	145.37	
HAMPTON	WA4DIW	144.57	145.17	
HAPEVILLE	WR4ABN	147.63	146.03	
HARTWELL*	KY4T	146.895	146.295	A
IRWINTON	WB4NFG	147.84	147.24	
JASPER	W4OOM	146.10	146.70	
JESUP	WA4EQL	146.07	146.67	
JONESBORO	WA4DIW	144.57	145.17	
JONESBORO	WA4OGE	144.73	145.33	
JONESBORO	W4BOC	144.85	145.45	
KENNESAW	WB4UPC	144.83	145.43	
LAGRANGE	WR4	146.40	147.00	
LAGRANGE	WB4BXO	147.93	147.33	
LYONS	K4HAO	146.22	146.82	
MACON	W4BKM	146.06	146.66	
MACON	K4ICT	147.66	147.06	T
MARIETTA	WB4KJB	146.13	146.73	
MARIETTA	W4BTI	146.28	146.88	
MARTINEZ	WB4YAT	144.89	145.49	
METTER	W4TYM	147.645	147.045	
MILLEDGEVILLE	KA4WDF	144.51	145.11	A
MILLEDGEVILLE	WB4DOJ	146.10	146.70	
MOULTRIE	WD4KOW	146.19	146.79	
NEWNAN*	K4SEX	144.53	145.13	PA
NEWNAN*	K4SEX	146.19	146.79	
PRESTON	W4TOV	146.385	146.985	
QUITMAN	WA4NKL	146.28	146.88	
RINGGOLD	WR4ABZ	146.115	146.715	
RIVERDALE	WA4EPK	144.61	145.21	
ROME	W4VO	146.34	146.94	
ROME	K4HNM	147.30	147.90	
ROSSVILLE	W4VAG	147.81	147.21	
ROSWELL	N4CLA	144.87	145.47	
SANDY SPRINGS	WB4CPL	144.75	145.35	
SAVANNAH	K4NLX	144.63	145.23	
SAVANNAH	K4NLX	146.10	146.70	PA
SAVANNAH*	W4HBB	146.28	146.88	
SAVANNAH*	W4HBB	146.37	146.97	A
SMYRNA	WA4YUR	144.61	145.21	
STATESBORO	K4MEF	147.81	147.21	
STONE MTN	W4BOC	146.16	146.76	
SVR CRK/MT ALTO	K4HNM	147.90	147.30	
SWAINSBORO	K4VYX	146.19	146.79	
THOMASTON	K4IMK	147.99	147.39	
THOMASVILLE	K4UFM	147.66	147.06	
TOCCOA*	KA4DIP	147.93	147.33	PA
VALDOSTA	W4APS	146.16	146.76	
VALDOSTA	WA4SMH	147.135	147.735	
VIENNA	WA4RWS	144.89	145.49	
WARNER ROBINS	WB4BDP	146.01	146.61	
WARNER ROBINS	W4HON	146.25	146.85	A
WARNER ROBINS	W4MST	147.015	147.615	R
WAYCROSS	WR4AMK	146.04	146.64	
WRIGHTSVILLE	WA4RVB	146.34	146.94	

10 METERS

ATLANTA*	KE4IO	29.52	29.62	

6 METERS

MARIETTA	WB4UPC	53.05	52.05	

220 MHZ

ATLANTA	KK4C	223.22	224.82	PA
CANTON	WB4UPC	222.34	223.94	
CANTON	WB4UPC	223.06	224.66	
KENNESAW	WB4UPC	222.52	224.12	
KENNESAW	WB4UPC	223.34	224.94	

440 MHZ

ALBANY	WA4GKI	439.25	427.25	V
BUCKHEAD	WA4YNZ	449.975	444.975	T
COLUMBUS	WA4QHN	449.20	444.20	
KENNESAW	WB4IXF	449.50	444.50	
STONE MTN	W4BOC	444.25	449.25	

*** CVRA-SERA Full Member Repeater**

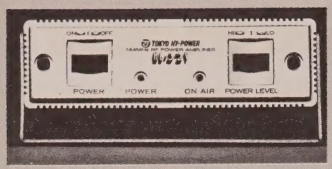
EAST KENTUCKY REPEATERS

2 METERS

ASHLAND	WR4ACQ	146.34	146.94	
DAMRON MTN*	K4BGQ	147.87	146.27	
ELKHORN CITY	WB4WAU	147.60	147.00	EAO
HAZARD	K4VHF	146.07	146.67	
JENKINS	WD4PDJ	147.99	147.39	
LOUISA*	WA4SWF	146.13	146.73	
MOREHEAD	K4GFY	146.31	146.91	
PIKEVILLE*	N4ETG	146.19	146.79	
PIKEVILLE*	N4IXA	146.25	146.85	A
PRESTONSBURG*	K4ICN	144.69	145.29	

*** CVRA-SERA Full Member Repeater**

This index is correct thru January 20th, 1984 for changes and/or Full Memberships received.



HL-32V VHF AMPLIFIER — The first of our super compact amplifiers for use with handheld radios. For VHF operations, this unit produces up to 25W output with drive from your 0.5W to 3W handheld. Low insertion loss on receive and selectable power level design provide low VSWR to the transceiver.

Excellent for mobile use in snuggly fitted smaller cars, this little beauty can be stowed under the seat, out of sight and out of mind.

The HL-32V operates linear mode for SSB or FM (switch selected), and the best news of all: the price is only $89.95 Suggested Retail!

Meets or exceeds FCC specifications.

TOKYO HY-POWER LABS, INC.

For catalog, send your QSL card to
Encomm, Inc.
Department Q-32
2000 Avenue G, Suite 800, Plano, Texas 75074

All stated prices and specifications subject to change without notice or obligation.

HL-160V VHF AMPLIFIER — This is our big 160W 2 meter linear amplifier which can work with a radio of 10W or even 3W output. This setup is achieved with a pair of rugged VHF R.F. transistors, using highly reliable one-board construction, and with the HL-160V's built-in 12db MOS-FET preamp.

The HL-160V has convenient front panel controls and select switches, LED indicators and a very reliable RF wattmeter. This big amp works SSB, CW, FM and AM modes, and it has a true coaxial relay on the output side.

When you need the power, the HL-160V is the power you need. $349.95 Suggested Retail.

Meets or exceeds FCC specifications.

TOKYO HY-POWER LABS, INC.

Distributed by
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2000 Avenue G, Suite 800, Plano, Texas 75074
Phone (214) 423-0024 TLX 79-4783 ENCOMM DAL

$99.00
UHF Transceiver

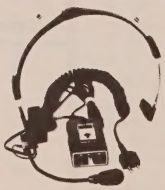
Yes, It's True!

Now there is a truly unsophisticated 3 channel crystal controlled radio to get everyone on UHF NOW. This radio is so affordable everyone should have at least two.

The low cost MICRO-7 (Model HT-7) comes with one channel of two crystals, a transmit and a receive already installed, the four drycells (AA size) needed to power the unit, an antenna and 200 mW of transmitting power.

A rather wide variety of accessories are available to boost your enjoyment and convenience such as: Speaker / mic (HSM7) (24.95) compatible with other audio systems like Kenwood and ICOM units, Subtone generator (HTE7) (19.95) set for 103.5 by a crystal, the VOX module (HVX7) (19.95) use with the boom-mic headset (HBM7) pictured below (39.95) and a rechargeable Ni-Cd battery and charger (39.95). For more output use the HL-20U THL amplifier (114.95) for up to 20 watts output.

The HT has been around for a long time but not like this. The MICRO-7 makes it time you got yourself a UHF radio and joined the evolution . . . upward.



THL Highpower Amplifiers Couplers, Transceivers

Distributed by: **Encomm, Inc.**
2000 Avenue G, Suite 800
Plano, Texas 75074

HL-20U UHF AMPLIFIER — This is another super compact from THL, and it's beautiful, with the controls on the brushed metal face panel to make operations as easy as touch and go.

The ultra-compact HL-20U is a basic amplifier for all UHF handheld radios, and it can accept input levels from 200mW to 3W, to provide a big 20W output signal. Fixed antenuator design allows for full output from as low as 200mW drive.

Your UHF handheld operations have never experienced anything like this surprising little amplifier. $119.95 Suggested Retail

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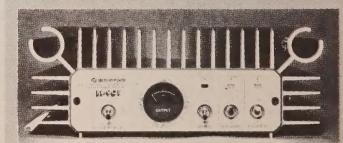

HL-90U UHF AMPLIFIER — Our new 80W output big-power UHF amp, with GAS-FET preamp and drive requirements as low as 10W, is designed for the 70cm amateur band.

It features stable and powerful amplification along with excellent linearity, which is especially effective on SSB. With its built-in receiver preamp, the HL-90U enables you to enjoy more comfortable DX QSO's. Accurate output power can be read with the built-in precision directional coupler, and power can be reduced by one half by the power level switch.

The HL-90U works FM, SSB, and CW, it provides a remote control terminal, and it comes to you for $389.95 Suggested Retail.

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Phone (214) 423-0024 TLX 79-4783 ENCOMM DAL

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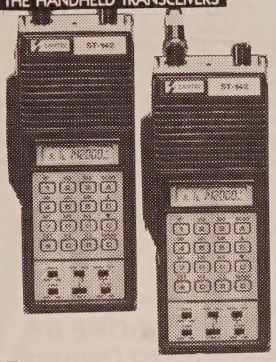
the smarter handhelds



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For 2-Meters

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The New ST-142 SUPER HANDY 2-meter microprocesser handheld has all the best features of the SANTEC ST144up plus easier operation and even greater versatility.

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- The ST-142 automatically picks up where you left off by remembering the last operating frequency and set of conditions in progress at turn off, and retains them for next turn on.

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ST-8BC Quick Charge Base Charger	39.95
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ST-MC Cig. Ltr. Mobile Battery Charger	9.95
SW-WC Replacement Wall Charger	9.95
ST-EC Charge extender (Chg. batt outside radio)	4.95
ST-500B 500 mah Battery pack	29.95
SM-3 Speaker Microphone w/lapel clip	35.95
ST-LC(SS) Leather Case w/Belt Clip & Shoulder Strap	35.95
	List
ST-SS Shoulder Strap for Leather Case	5.95
ST-BC Belt Clip with Radio back	12.95
ST-RD Replacement 2-meter rubber duck	10.95
MS-50S Remote Speaker w/mini. & Sub mini plgs	15.95
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SS-32B Synth Tone Burst, Tone Encoder	32.95
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ST-HA1 Headset Boom Mic & Adapt. for Santec H/T	39.95

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Don't you dare settle for less, get your hands on a SANTEC handheld today!

Exclusive KDK 6 in 1 control is now joined by 6 exciting new KDK features:

NEW! % Soft Orange background Liquid Crystal Display (LCD) for direct sunlight viewing plus lighting for night viewing.

NEW! % Offset (+, −, S) stored in memory along with the frequency information.

NEW! % Frequency coverage of 142.000 to 149.995 MHz for M.A.R.S. and C.A.P. usage.

NEW! % Chrome front panel with accent knobs and lighter color on case to match today's auto decor.

NEW! % Scan for signal now has 3-second delay before resume after loss of signal.

NEW! % Repositioned controls for more convenient operation.

- **Only memories with data are scanned; blanks are skipped.**
- **Complete memory back-up with power unplugged. Re-chargeable Ni-Cd with capability of several months back-up of memory.**
- **Single frequency sub-audible tone generator included as a standard feature.**
- **Tone unit switch on front panel to prevent "humming" on the wrong channel.**
- **Repeater input monitor capability with the push of a single momentary switch.**

KDK

The New KDK FM-2033

289.00 List $339.00

High Power 25 Watts
Low Power 5 Watts

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The KDK 220 mHz Transceiver is coming!
Check with us this Spring. Also 6M, 440, 10M.

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Eight Trapped In Elevator

—by Maryann Waddell, WC4A

Six local hams and two of their wives had an unexpected climax their trip to the Va. Beach Hamfest. This crew consisted of Jack Waddell WA4V, Maryann Waddell WC4A, Gary Chittum WB4DNC and wife Bonnie, Ken Ballard WD4MOO, Al Dyson W4PDL and wife Betty, and Chuck Tavares, N4FQ.

It seems that on October 8, 1983 at about 11:10 PM, after a long day of festivities at the Hamfest, this party of eight, six of which were hams, boarded an elevator in the Triton Towers (located in Va. Beach) bound for the top floor. All went well until the elevator passed the third floor where it stopped. Spirits remained high considering the circumstances. However, after a while, it is reported that temperatures inside the elevator soared well above the one hundred degree mark. At this point one of the wives had to take a seat on the floor, possibly hyperventalating. Now, among this group with six hams there was but one 2 meter hand held which was thoughtfully carried by Chuck, N4FQ. So what do you do in a stuck hot elevator in a motel occupied by hundreds of other hams, with a two meter handheld? Why, you try to start the fan with the rubber duckie antenna, of course! Upon attempting this, Chuck brought down pounds of dirt on the group from this fan which apparently hadn't worked for years.

Maryann says that the sound of fire engine sirens was music to everyone's ears. The fire department had to work their way down from the top floor to pry open the double steel doors of the elevator in order to extract the group from the immobile elevator which had "jumped it's tracks".

After an hour and an half in this reluctant elevator, the group retired to a room and stayed up until about 2 AM reflecting on their ordeal.

The next morning, Chuck took the stairs, just for the exercise I'm sure.

All are fine but understandably a little shy of elevators and top floors of motels.

Chuck stated later that he will be happy if this is the worst thing that ever happens to him.

New Officers For The West Virginia State Amateur Radio Council

The West Virginia State Amateur Radio Council, of which all licensed state hams are members, elected its new (2 year term) officers in December.

They are: President, Mike Palmer, K8LG; Vice-President, Bill Pace, KB8ZM; Secretary, George Armstrong, WB8YFC and Treasurer, Ed Sutton, WA8FLF.

West Virginia Notes

Continued From Page 15

saying it was so cold where he was that the 20-meter band was frozen solid. Ditto the kitchen hot water tap at this QTH. Leon Moten, WD8POF, reported an unofficial low of 17 below zero at his Jumping Branch QTH on Christmas Eve.

• • •

Two Vic 20's showed up under the tree at the home of Garry White, WD8OMB, at Scott Depot. He bought one for his wife, Sharon, novice WD8OLI. At the same time they got one for their 18-year old daughter, Darlene. I thought I would hear of more computers new to the hamshacks of a lot of hams at Christmas. Maybe it's too early for the new owners to be talking about them.

Charles Marlowe, WB8CNN, Mac Arthur, purchased a Vic 64 two weeks before Christmas, along with a TU and Hamsoft program. He's been enjoying RTTY on HF since.

• • •

Denver Stricker, N8ELD, Belle, has two Vic 20's in his home. Recently he tried a TRS-80. But Denver says he thinks he'll stock with the Commodore line. The TRS-80 will likely show up with Denver at a hamfest early next year.

• • •

I thought I was going to get a demonstration of accessing Dow Jones or Compuserve recently while visiting the East Bank ham shack of Jim Cantrell, KA8PYC. But the night I visited there was a disruption of phone service in the area so I didn't get to see a Vic 20 modem in operation.

• • •

Don Williams, KA4K, Bluefield, Va., reports the East River ARC has ordered a new set of Wacom duplexers for its W8MOP 144.89/145.49 repeater on East River Mountain. It is hoped that will solve an inter-mod problem caused, apparently, by a government Weather Radio station located some miles away on Flat Top Mountain. The club has offered its present duplexers to the group putting up the 146.355/955 repeater at Jumping Branch.

• • •

Cold weather is also delaying work on the 144.55/145.15 repeater on Bee Mountain.

• • •

An apparent coordination on conflict between WV, Va, and NC appears to have been ironed out for a proposed repeater on Apple Orchard Mountain (4225 feet above sea level, ASL) near Bedford, Va., The group there had been looking at 144.71/145.31 but that pair is assigned to and in use by the Appalachian Repeater Association at Layland/Mann Mountain in Fayette County, WV. But it was off temporarily being moved a short distance when the Virginia group did its on-site frequency study from Apple Orchard Mountain. The Layland/Mann Mountain machine is at 3400-feet ASL. At last report the Virginia group was considering 144.81/145.41 Mhz, for which there is apparently no conflict.

• • •

Rob Bailey, WB8VUY, South Charleston, a student at West Virginia Tech at Montgomery — where he should graduate in May, 1985 — says the 147.99/39 repeater on the Tech campus at Montgomery should be activated during the Spring Semester. It may not be up to full potential by then since he's carrying nearly all the financial burden and providing the Master Pro (General Electric) transmitter and receiver units himself. The antennas will be on the roof of the HiRise Dorm on campus, with the machine housed in the 9th floor Tech amateur station ham shack. He recently picked up some assistance from several non-ham electrical engineering students who have to build some digital projects as class work next semester. They'll build the IDer, work on some control circuits, a touchtone decoder, and perhaps even a microprocessor for the repeater. Good luck, Rob.

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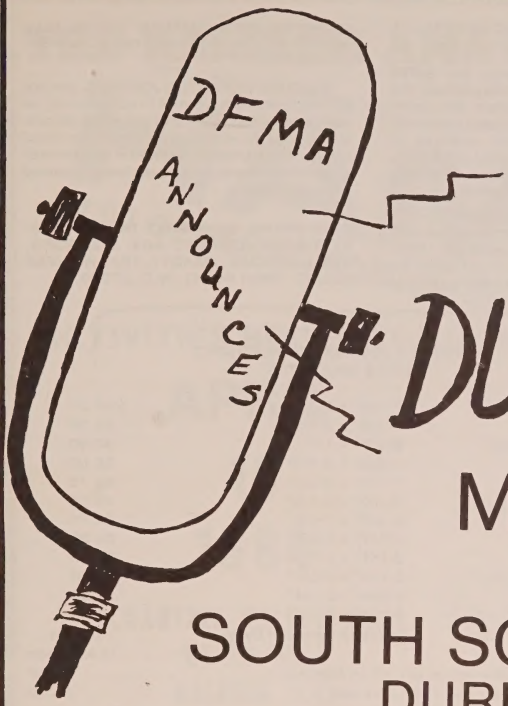

DURHAMFEST

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Effective 1 January 1984

The Repeater Journal is a 3 column magazine with overall page dimension of 8½ x 11 inches. Our page size enables a wide variety of ad sizes from full page down to one column inch size.

Column Widths are 1 col: 2-1/4-in., 1-1/2 col: 3-1/2-in., 2 col: 4-5/8-in.,/3 col: 7-1/8-in. Ad widths will be based only with the specified column widths.

DEADLINES: New advertising copy must be in the hands of our Advertising Manager no later than the first of the month prior to publication month.

DEADLINES

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AUG. Issue - Jul. 1	NOV Issue - Oct. 1

If we have not received new ad copy from you, your ad published in the previous issue will be repeated at the standard advertising rate.

CVRA REPEATER JOURNAL advertising rates apply to exact size, camera ready copy. We can provide typesetting and reduce art for your ad at our cost. Composition and typesetting for full page ad approximately $25 to $28. Half page ad from $12 to $15. Reduction of artwork for ad with no type needed is $4.50. For color ads (One additional color plus black) add $25.00.

The Repeater Journal layout size is very close to most National magazines. If you wish to use a page from one of the magazines, to promote your product, we can reshoot on the camera, insert your store name and customize for your particular application. Be sure to submit a clean, unwrinkled copy of the magazine page.

Contract advertising may be billed quarterly at the request of Advertiser. No volume discounts or contract discounts are available. It is the advertisers responsibility to cancel or request changes in advertising at the time he pays his bill, or before ad deadline, otherwise, advertising will be repeated until further notice.

BUSINESS CARDS, CLASSIFIED ADS AND HAMFEST advertising must be sent accompanied by full payment for insertion. Advertisers who have not paid for previously published advertising before upcoming issue deadline, cannot have any advertising inserted until account is paid in full.

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Advertising copy MUST be mailed to: REPEATER JOURNAL ADV. MANAGER, KEN HOLLIDAY, WA4DYY, 1923 HALIFAX COURT, HIGH POINT, N.C. 27260.

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2/3 Page (Vertical)	4-5/8" x 9-7/8"	55.00
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1/2 Page (Vertical)	3-1/2" x 9-7/8"	42.75
1/2 Page (Vertical 2-col)	4-5/8" x 7-1/8"	42.75
1/4 Page (Vertical Only)	3-1/2" x 4-3/4"	24.00
1/3 Page (Vertical Only)	2-1/4" x 9-7/8"	30.00
1/6 Page (Vertical)	2-1/4" x 4-3/4"	16.00
1/6 Page (Horizontal)	4-3/4" x 2-1/4"	16.00
1/12 Page (Vertical Only)	2-1/4" x 2-1/4"	9.00
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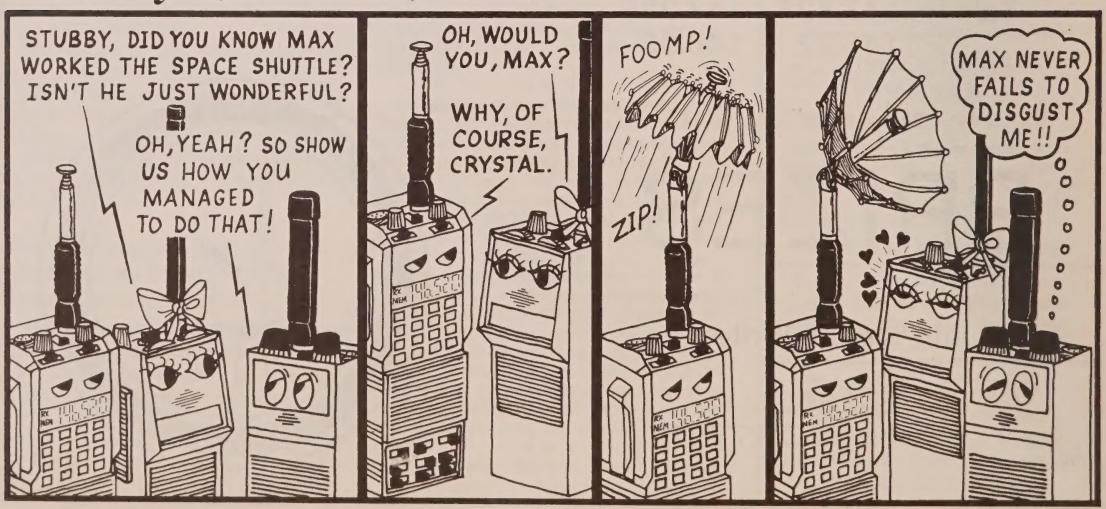
Classified Ads (30 Words Maximum per ad) In Advance 2.50
Color (1 additional color plus black) An Size add 25.00

Sizes listed above are width by length in that order. Ads which run lengths between sizes listed above will be billed according to column inch rate at midpoint. Prices above are for exact size, camera ready positive photoprint, or pasteup. Camera work, typesetting additional. No charge for layout.

1984 is here!!! The Economy promises better business this year. Don't be left out – get your share of the Amateur market. Our regular advertisers know – "It pays to present your message in the result getting Repeater Journal.

Stubby *by Fred Hurteau, WD4SKH*


STUBBY, DID YOU KNOW MAX WORKED THE SPACE SHUTTLE? ISN'T HE JUST WONDERFUL?
OH, YEAH? SO SHOW US HOW YOU MANAGED TO DO THAT!
OH, WOULD YOU, MAX?
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FOOMP!
ZIP!
MAX NEVER FAILS TO DISGUST ME!!

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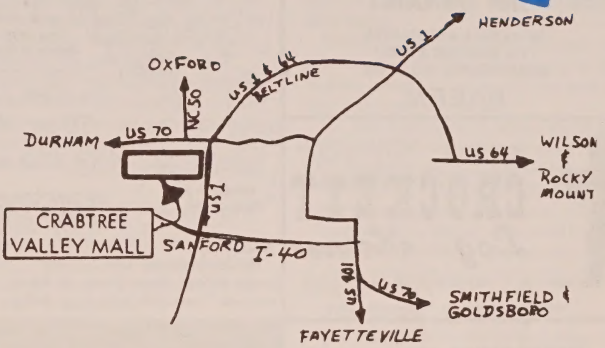
$4.00 GENERAL ADMISSION

ACTIVITIES BEGIN AT 8:00 A.M.

APRIL 15 1984

CRABTREE VALLEY MALL
US 70 WEST
RALEIGH, N.C.



★ PRIZES!!! PRIZES!!! PRIZES!!!

1ST PRIZE – Choice of either an ICOM IC-745 HF transceiver with a PS 35 internal power supply - OR - An ICOM IC-271A 2 meter 25 watt multi-mode transceiver with a PS 25 internal power supply AND a Mirage B3016 160 watt amplifier with heavy duty AC power supply. G.I.S.M.O. of Rock Hill, SC assisted RARS on this prize.

2ND PRIZE – Kenwood TR 7950 2 meter 45 watt FM transceiver. G.I.S.M.O. of Rock Hill, SC assisted RARS on this prize.

3RD PRIZE – Telex Hy-Gain Ham IV antenna rotator. Telex assisted RARS on this prize.

MANY OTHER PRIZES WILL BE DRAWN ALL DAY SUNDAY!!!

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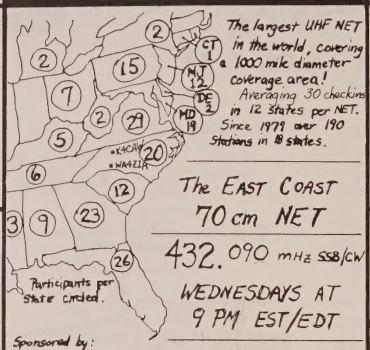
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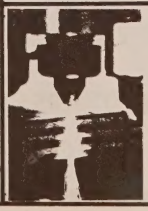
DIAL **BR549**
(BLUEFIELD REPEATER 145.49)
Bluefield Hamfest
Computer and Satellite TV Fair
(AUGUST 26, 1984)



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CVRA-SERA Winter Meet

Continued From Page 3

meters, even better under certain conditions.

Cable TV interference was discussed. Williams told the group, according to Jerry Freeman, of the Norfolk FCC office, Cable complaints from Amateur groups had increased significantly over the past few months, which he felt resulted in the education of Amateurs on the steps to take if Cable interference is present in their area. The Repeater Journal has printed several articles previously on this subject. Freeman said the complaints were being solved at a very encouraging rate through his office.

Williams then presented to the group proposed changes in the wording of the Coordinating Policy of CVRA-SERA and various forms used by the Directors in coordinating repeaters. The new forms and wording was done to reflect the FCC Statements regarding uncoordinated repeater interference (See separate stories this issue).

The officials present went on record as supporting and welcoming the FCC in their stand of "bring enforcement of the last remaining difficult problem in Amateur Radio under control" – that being previously no power or self policing regulations by coordinating bodies such as CVRA-SERA.

Membership expirations

CVRA-SERA Full Memberships (for repeater owners) expire each calendar year on December 31. Renewal is $8.00 per year. Associate Membership, (for repeater users) is $4.00 per year, and expires one year after application is received.

W5LFL Flight Successful – We All Heard Him!

We listened and listened and finally we heard him, not once but several times as Owen Garriott, W5LFL made history and broadcast to Amateur Radio operators around the world, from STS-9, the spacecraft Columbia.

The amateur community got much good press, as Radio, TV and newspapers scrabbled at Amateur's home to get a recording of the historical event.

Peter O'Dell of ARRL reported in early January well over 10,000 reports of attempted contacts from Amateurs, and SWL listings from others. It has been reported that early examinations of the tapes from W5LFL, only about 310 call signs have been picked out from the noise and massive jamup of people calling him during his passes.

O'Dell said QST will probably publish the list to see that everyone who was confirmed on the tape has an opportunity to receive the Commemorative 2-Way QSL card. WSL listeners will also get a special card of their own.

Meanwhile, many amateurs are sending in reports of when, where he was when they copied his signal. ARRL is asking for good reports and description of antenna, radio, times, location, etc. as some of the information they are seeking.

California Hams & Repeaters

You hear so much of how the Californians operate on the VHF bands, but the stories vary so much, we never can tell for sure what is the truth.

We are pleased to announce that Bill Pasternak, WA6ITF of Westlink is going to write all about amateur radio operations in the State of California.

His special story for the Repeater Journal will be filled with information about those California "special purpose repeaters," a repeater on the air especially for jammers, and much more.

Bill's story makes for interesting reading in the May issue of the Repeater Journal.

WB4DBB Named Technical Editor of Journal

Herman Cone, WB4DBB of Goode, Va. has agreed to take on the job of Technical Editor for the Repeater Journal, beginning with the forthcoming May issue.

Herman, formally from Durham, N.C. has been a trail blazer for years in electronics, working on repeaters and putting repeaters on the air.

He has promised to write some good articles for us in the future about UHF/VHF repeater conversion and other helpful little things you can do to make your repeater operation a little more efficient.

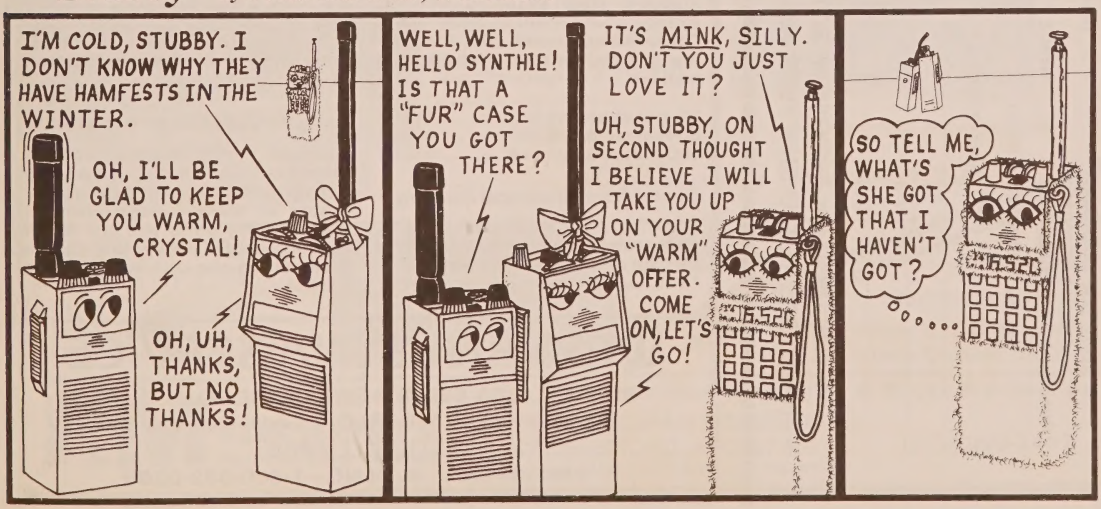
Herman fills the spot vacated by Watson Gabriel, WB4EXW who moved out of the immediate area and had to give up the post.

If you have a nice technical article you would like to have published, send it to Herman, and he will see that it gets in a future issue of the Journal. You will find his name and address listed under "Journal Staff" on Page 1 of this issue.

Wanted! Repeater Pairs

Persons who do not plan to use a frequency they have coordinated should notify their State Director and relinquish the frequency so it will be available for later coordination.

Stubby *by Fred Hurteau, WD4SKH*


I'M COLD, STUBBY. I DON'T KNOW WHY THEY HAVE HAMFESTS IN THE WINTER.
OH, I'LL BE GLAD TO KEEP YOU WARM, CRYSTAL!
OH, UH, THANKS, BUT NO THANKS!
WELL, WELL, HELLO SYNTHIE! IS THAT A "FUR" CASE YOU GOT THERE?
IT'S MINK, SILLY. DON'T YOU JUST LOVE IT?
UH, STUBBY, ON SECOND THOUGHT I BELIEVE I WILL TAKE YOU UP ON YOUR "WARM" OFFER. COME ON, LET'S GO!
SO TELL ME, WHAT'S SHE GOT THAT I HAVEN'T GOT?

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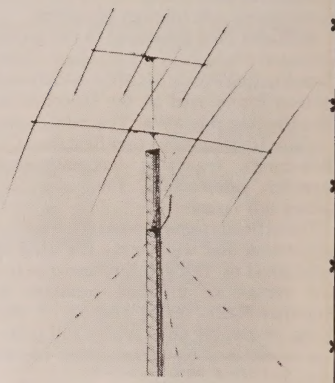

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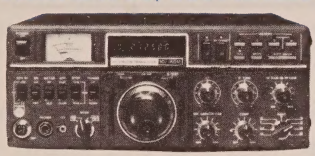

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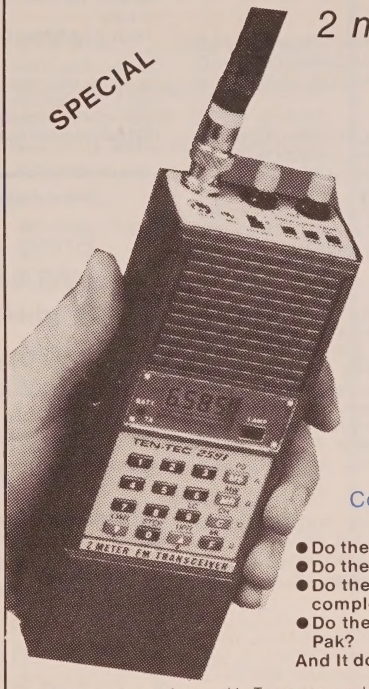

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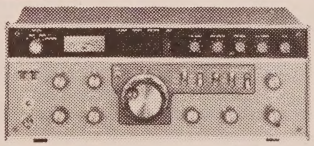

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Coming Events

1984 HAMFEST DATES

FEBRUARY

19. . . . . Hamfest, ELKIN, N.C.
26 . . . . . Winterfest, VIENNA, VA.
26. . . . . Hamfest, FAYETTEVILLE, WVA.

MARCH

9-10-11 . . . . . Hamcation & Computer Show, ORLANDO, FLA.
17-18. . . . . N.C. State ARRL Conv/Hamfest, CHARLOTTE, N.C.
31-Apr. 1. . . . . Hamfest, COLUMBUS, GA.

APRIL

7 . . . . . Hamfest, FLEMINGTON, N.J.
14-15 . . . . . Miss. State ARRL Conv., JACKSON, MISS.
15 . . . . . RARS Hamfest, RALEIGH, N.C.
15* . . . . . Hamfest, KENNESAW, GA.
21 . . . . . Oak Ridge Hamfest, CLINTON, TN.
20-22. . . . . Baloneyfest, MONTGOMERY BELL ST. PARK, TN.
27-29. . . . . Hamvention, DAYTON, OH.

MAY

5-6 . . . . . Hamfest, GREENVILLE, S.C.
12 . . . . . Durhamfest, DURHAM, N.C.
12-13* . . . . . Hamfest, BIRMINGHAM, ALA.
19-20* . . . . . Hamfest, LAKE HARTWELL, GA.
19* . . . . . Hamfest, DALTON, GA.
20* . . . . . Hamfest, GASTONIA, N.C.
26-27 . . . . . Hamfest, KNOXVILLE, TN.
27 . . . . . Hamfest, ROANOKE, VA.
27* . . . . . Hamfest, HARMANS, MD.

JUNE

3. . . . . Ole Virginia Hams Hamfest, MANASSAS, VA.
3* . . . . . Hamfest, HUMBOLT, TN.
3*. . . . . Tri-State ARA Hamfest, HUNTINGTON, WVA.
16-17 . . . . . Hamvention, ATLANTA, GA.

JULY

7-8. . . . . WVA State Radio Conv., JACKSON'S MILL, WVA.
7-8*. . . . . John Ross Tradefest, ROSSVILLE, GA.
15*. . . . . Summer Swapfest, CARY, N.C.
21* . . . . . Hamfest, ANNISTON, ALA.
21-22* . . . . . Hamfest, CROSSVILLE, TN.
21-22* . . . . . Hamfest, CHARLESTON, S.C.
22. . . . . TSRAC Hamfest, WHEELING, WVA.
28-29 . . . . . Hamfest, ASHEVILLE, N.C.
29* . . . . . Hamfest, NASHVILLE, TN.
29. . . . . BRATS Maryland Hamfest, W.FRIENDSHIP, MD.
29* . . . . . Jackson County Hamfest, RIPLEY, WVA.

AUGUST

4-5* . . . . . Hamfest, JACKSONVILLE, FLA.
5 . . . . . SVARC Hamfest (Winchester), BERRYVILLE, VA.
18-20* . . . . . Huntsville, ALA.
26 . . . . . Hamfest, BLUEFIELD, WVA.
26* . . . . . Hamfest, CEDARS OF LEBANON PARK, TN.
26* . . . . . Confederate Signal Corps Hamfest, MADISON, GA.
26* . . . . . Hamfest, MORGANTOWN, WVA.
25-26* . . . . . Central Alabama Hamfest, MONTGOMERY, ALA.

SEPTEMBER

1-2* . . . . . Hamfest, SHELBY, N.C.
8-9* . . . . . Central Ga. Hamfest, WARNER ROBBINS, GA.
8-9* . . . . . Tri-Cities Hamfest, GRAY, TN.
8-9* . . . . . Swapfest & Picnic, CLEVELAND, TN.
9* . . . . . Hamfest, GAITHERSBURG, MD.
15* . . . . . WCARS II Swapfest, GREENWOOD, S.C.
16* . . . . . Hamfest, CINCINNATTI, OH.
16* . . . . . Hamfest, AUGUSTA, GA.
23* . . . . . Hamfest, GAINESVILLE, GA.
22-23 . . . . . Roanoke Div. ARRL Conv. VIRGINIA BEACH, VA.
22-23 . . . . . Ky. State ARRL Conv./Hamfest, LOUISVILLE, KY.

OCTOBER

7* . . . . . Hamfest, ROCK HILL, S.C.
7* . . . . . Hamfest, ROME, GA.
14* . . . . . Hamfest, MAYESVILLE, N.C.
13-14* . . . . . Hamfest, CLEARWATER, FLA.
13-14* . . . . . Hamfest, MEMPHIS, TN.
20-21* . . . . . ARCS Hamfest, SAVANNAH, GA.
27-28 . . . . . Hamfest, CHATTANOOGA, TN.

NOVEMBER

3-4* . . . . . Hamfest, STONE MT., GA.
4* . . . . . Hamfest, CONCORD, N.C.
24-25* . . . . . Greater GBO Hamfest, GREENSBORO, N.C.

***NOT CONFIRMED (Date is based on Last Years Information)**

(Editor's Note) Hamfest dates marked with an asterisk have not been conformed to the Repeater Journal. Dates are based on last year's information. Clubs sponsoring hamfests who have not sent in their 1984 date should send information to the Repeater Journal Editor. Hamfest Date Corrections, and Advertising Deadline for the May issue is April 1, 1984.

Bring Your Friends To The CVRA-SERA Booth At Your Local Hamfest and Let Them Join us and Receive the Award Winning Repeater Journal

DEALERS

With Tri-Cities Hamfest Moved to the Fall of the year, and Oak Ridge Hamfest having undergone drastic changes and you want to come to a FULL FLEDGED 2-Day Hamfest in Tennessee in the 1st Half of 1984, You'll be welcome at Knoxville May 26 & 27.

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PL-259 CONNECTORS (U.S. Made) .....65¢ ea.
10 or more .....60¢ ea.
UG-175 or 176 ADAPTERS.....30¢ ea.
10 or more .....25¢ ea.

TRANSI-TRAP™ *West Antenna Service is An Authorized Distributor For Transi-Trap and PolyPhaser*

WEST ANTENNA SERVICE

Harwood West, WB4RLO • Local Call 621-2473
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CALL TOLL FREE 1-800-334-4252
NC RESIDENTS 1-800-632-0389

CLASSIFIED

Repeater Journal Classified ads are available to members to advertise Amateur and Electronic items for sale, buy, swap or trade. Items need not necessarily be electronic related. The CVRA-SERA assumes no responsibility as to the accuracy of description of equipment or its condition. Total responsibility lies with the advertiser and the buyer. CLASSIFIED AD RATE: Non-commercial or Commercial, $2.50 per ad. Enclose check with ad in advance of publication. Please limit classifieds to a maximum of 30 words.
DEADLINE FOR CLASSIFIED: 30 days prior to date of publication. Deadline dates are Jan. 1, April 1, July 1 and Sept. 1.

POOR JOE, still driving around in circles trying to find a repeater to get instructions how to get home. Help poor Joe, tell him to subscribe to the REPEATER JOURNAL, updated Repeater Listings for 7 states quarterly.

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QUAD ANTENNA kits and components for 10, 15, and 20 meters. $37.50. Dipole center connector with SO-239, $4.50 plus 50-cents shipping. Write: QUIK QUAD, Box 927, Cary, N.C. 27511

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ANY KIND of radio is available at any price. But honestly, don't you owe it to yourself to let WILLIAMS RADIO prove to you that SANTEC and KDK is the best way to go! We think so. See our ads.

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• • •

TRS-80 Model 4 – For Sale. Has 120K memory, 2 disc drives, 6 months old with very little use. Also Orchestra 90 music modem. $1,800 firm. Wayne C. Williams, 600 Lakedale Road, Colfax, N.C. (919) 993-5881

FCC Exam Dates for N.C.

The FCC continues their curtailment of regional examinations by offering only two for 1984 outside the Norfolk office in North Carolina.

The examinations are scheduled for APRIL 3 in Charlotte, N.C. and OCTOBER 2, in Greensboro.

You must have a pass to gain entry into the examination room. Fill out your 610 form and mail to the Norfolk office of FCC prior to March 20, for the Charlotte examination, and by September 18 for the Greensboro examination.

The VEC (Volunteer Examination Coordinator) program is getting underway soon and additional schedules will be announced for examinations under this program.

WHERE TO BUY DIRECTORY

Amateur Accessories (NJ) 30
American Radio Relay League (CT) 18
Business Card Advertisers 34
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BUY YOUR EQUIPMENT FROM OUR REPEATER JOURNAL ADVERTISERS TELL THEM YOU SAW THEIR AD IN THE REPEATER JOURNAL!

Mid-Winter Specials from

CERTIFIED COMMUNICATIONS

New low mail order wire & cable prices

Examples:
Belden 8214 RG8/U 41¢/ft
8237 RG8/U 35¢
9258 RG8/X 18¢
8259 RG58A/U 13¢
8216 RG174/U 10¢
9405 Rotor 49¢
8448 Rotor 29¢

Generic (equal quality, warranty)
RG 213/U 30¢/ft
RG 58A/U 11¢
RG8/X 13¢
Rotor (light) 19¢
(heavy) 32¢

Genuine Copperweld
18 gauge 3¢/ft.
14 gauge 6¢

Low corrosion 8 ga Alum 8¢
10 ga magnet wire 13¢
Dipole kits from $7.95
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DON'T FORGET CB to 10 from CERTIFIED!
See you at Charlotte!
Write for latest catalog

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4138 So. Ferris • Fremont, Michigan 49412 • (616) 924-4561

CALL - WRITE - OR SEE US AT OVER 30 SHOWS!!!!!
VISA - MASTERCARD - C.O.D. ($5 w/order) - CASH

FINANCIAL STATEMENTS
CVRA - SOUTHEASTERN REPEATER ASSOCIATION
Calender years 1978 through 1983

	1978	1979	1980	1981	1982	1983
REVENUES						
Advertising	$1,914.50	$ 2,985.75	$ 3,119.75	$ 3,745.70	$ 6,211.70	$ 7,876.75
Associate membership dues	4,745.00	6,865.75	7,073.05	8,050.96	9,632.00	9,967.50
Full membership dues	411.00	1,102.00	1,066.00	1,960.00	1,126.00	2,757.00
Other			72.25	16.84	344.28	16.25
TOTAL REVENUE	$7,070.50	$10,953.50	$11,338.05	$13,773.50	$17,313.98	$20,617.50
EXPENSES						
Journal mailing	$ 610.12	$ 958.79	$ 1,410.66	$ 1,646.33	$ 1,701.46	$ 2,282.49
Journal printing	4,447.58	6,767.09	8,087.13	8,333.25	12,593.20	14,369.28
Miscellaneous expenses	46.45	1,019.32	263.18	152.42	318.63	
Directors meetings	258.99	290.99	569.22	330.61	759.41	600.51
Office expenses	-0-	-0-	-0-	223.31	143.07	111.58
Amortization of copy machine cost	-0-	-0-	-0-	-0-	-0-	448.00
Postage other than journal	310.11	393.93	328.17	892.34	361.24	300.17
Printing other than journal	498.49	877.04	691.72	595.06	801.76	1,026.68
Returned checks	-0-	-0-	-0-	28.25	-0-	-0-
Telephone	-0-	-0-	-0-	327.52	574.52	455.00
TOTAL EXPENSES	$6,171.74	$10,307.16	$11,350.08	$12,529.09	$17,253.29	$19,593.71
EXCESS OF REVENUE OVER EXPENSES	$ 898.76	$ 646.34	$ (12.03)	$ 1,244.41	$ 60.69	$ 1,023.79

Expenses advanced are two imprest cash funds held by committee chairmen. Membership chairman uses funds for mailing renewal notices. Circulation manager uses funds for mailing journal. In both instances, periodic accounting, complete with receipts are forwarded to treasurer for replenishment of fund. Except for postage, the invoices for all material items, printing, etc. are sent to the treasurer for direct payment. All expenditures are fully supported by paid receipts. Respectfully submitted,

Ray Adams

Ray Adams N4BAQ

Balances January 1, 1983		
Expenses advanced	$ 700.00	
Invested in copy machine	2,240.00	
Cash in bank	1,135.60	4,075.60
EQUITY TO ACCOUNT FOR		$ 5,099.39
Less: Expenses advanced	$ 800.00	
Invested in copy machine	1,792.00	2,592.00
CASH IN BANK DECEMBER 31, 1983		$ 2,507.39

THE BLUE RIDGE AMATEUR RADIO SOCIETY

"The Olde Fashioned Hamfest"

GREENVILLE S.C. HAMFEST

MAY 5 & 6, 1984

$4.00 GENERAL ADMISSION

Talk-In: 146.01/61 and 146.22/82

For Additional Info, Contact:

PHIL MULLINS, WD4KTG
P.O. BOX 99
SIMPSONVILLE, S.C. 29681
(803) 235-7390 (Home)

For Advance Tickets Write:

MRS. SUE CHISM, N4ENX
RT. 6, 203 LANEWOOD DR.
GREENVILLE, S.C. 29607

American Legion Fairground on Hwy 25 By-pass *1 mile North of I-85*

Please make all checks payable **BLUE RIDGE AMATEUR RADIO SOCIETY**

ADVANCE TICKETS-$3.00 ★*Please Send S.A.S.E.*

NAME _____ *CALL* _____

STREET _____

CITY _____ *STATE* _____ *ZIP* _____

TOTAL TICKETS NEEDED ___ *TOTAL REMITTANCE* ___

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Repeater Association, Inc.

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Bulk Rate
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"IN OUR 13th YEAR"

REPRESENTING VHF-UHF INTERESTS THROUGHOUT VIRGINIA, NORTH CAROLINA, SOUTH CAROLINA, TENNESSEE & WEST VIRGINIA

THE CVRA—SOUTHEASTERN REPEATER ASSOCIATION STATE DIRECTORS, VICE DIRECTORS AND ASSISTANTS

For Assistance in Repeater Coordination, Frequency Coordination, Changes in Repeaters, and Any other Assistance You May Require from the CVRA. Contact Your Local Director or His Assistant.

TENNESSEE

DIRECTOR
Sam Kirby, WB4HAP
Route 3, Majors Rd.
Corryton, Tn. 37721
(615) 922-1558

VICE-DIRECTOR
J. Tom Park, WD4KWP
1198 Lock 4 Road
Gallatin, Tn. 37066
(615) 452-3822

SOUTHEAST ASST.
Barbarra Gregory, WA4RMC
8619 Smokerise Lane
Chattanooga, Tn. 37421
(615) 892-8889

EAST CENTRAL ASST.
Billy Gilley, W4YXA
208 Rivermont Dr.
McMinnville, Tn. 37110
(615) 473-5383

W. TN. REP. ADV. COMM
Dave Wolfe, WA4VVX
77 Lakewood Drive
Jackson, Tn. 38301

WEST VIRGINIA

DIRECTOR
Ted Wolfe, WD4KHL
P.O. Box 133
Cabin Creek, W.Va. 25035
(304) 595-3970

V. DIRECTOR-NORTH
Mike Palmer, K8LG
1313 Airport Blvd.
Morgantown, W.VA. 26505
(304) 296-9175

V. DIRECTOR-SOUTH
Karl Morris, WB8GDY
1009 Sand Hill Drive
St. Albans, W.Va. 25177
(304) 727-8453

NORTH CAROLINA

DIRECTOR
Western Coordination
Ken Woodard, WA4BVW
Route 2, Box 407
Canton, N.C. 28716
(704) 235-8354

VICE-DIRECTOR
Calvin Dempsey, WA4UQC
1604 W. Canal Street
Tarboro, N.C. 27886
(919) 823-4300

ASST. DIRECTOR
Eastern Coordination
Danny Hampton, K4ITL
P.O. Box 12734
Raleigh, N.C. 27605
(919) 832-8733

VIRGINIA

DIRECTOR
Mike Williams, KC4AO
300 McClellan St.
Sandston, Va. 23150
(804) 737-4622 Wk. Days
(804) 793-8302 Wkends

VICE-DIRECTOR
Lee McDaniel, WB4QOJ
8506 Belle Haven Rd. NW
Roanoke, Va. 24019
(703) 563-4705

S. WESTERN ASSISTANT
Larry Lewis, WB4JBJ
101 Jane Randolph St.
Forest, Va. 24551
(804) 525-5901

COASTAL ASST. DIR.
Wally Burkette, WA4KXV
242 Raintree Road
Virginia Beach, Va. 23452
(804) 486-1555

SOUTH CAROLINA

DIRECTOR
Al Harney, N4EOY
224 Morningwood Dr.
Lexington, S.C. 29072
(803) 359-5305

VICE-DIRECTOR
Hap Griffin, WA4UMU
20 Harrell Road
Sumter, S.C. 29150
(803) 773-8275

GEORGIA FREQ. COORD.

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1841 Covington Highway
Conyers, Ga. 30208
(404) 483-8924

ASST. GA. FREQ. COORD.
John Robertson, N4BGL
291 Amberwood Drive
Lawrenceville, Ga. 30245